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Estimates of Producer and Consumer Subsidy Equivalents

Government Intervention in
Agriculture, 1982-86

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Estimates of Producer and Consumer Subsidy Equivalents: Government Intervention in Agriculture, 1982-86. Agriculture and Trade Analysis Division, Economic Research Service, U.S. Department of Agriculture. ERS Staff Report No. AGES880127.

ABSTRACT

This report presents producer and consumer subsidy equivalents for various agricultural commodities in 16 countries and the European Community. These measures estimate the effect of government policies on producer revenue and consumer cost.

Keywords: agricultural policy, agricultural trade, consumer subsidy equivalent, producer subsidy equivalent

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CATALOGING PREP.

PREFACE

The tables presented here support Government Intervention in Agriculture: Measurement, Evaluation, and Implications for Trade (FAER-229, USDA, ERS). They provide point estimates for the measures that are classified only in ranges by FAER-229, and extend the estimates into 1985 and 1986. An updated version of this report is planned by the end of 1988.

Analysts who prepared these estimates are identified in the contents. This report was compiled by Carl Mabbs-Zeno with statistical assistance from Renata Penn, and clerical assistance from Sheba Allen and Helen Joyner.

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Estimates of Producer and Consumer Subsidy Equivalents

Government Intervention in Agriculture, 1982-86

INTRODUCTION

This study estimates the effects of government policies on agricultural producers and consumers, using measures known as the producer subsidy equivalent (PSE) and the consumer subsidy equivalent (CSE). These subsidy equivalents show the change in producer revenue (or consumer cost) due to government actions. PSE and CSE components are derived in two ways: (1) by looking at government expenditures, and (2) by looking at the wedge that a policy instrument (or mix of instruments) drives between domestic and external prices. Where policy instruments are functionally linked, such that they jointly affect producers (or consumers), PSE's (or CSE's) measure the net effect of the package of policies. They do this by comparing internal and external prices rather than attempting to isolate the effect of each policy instrument. For example, many governments intervene in the dairy sector through minimum price policies that are, in turn, supported by border measures such as tariffs or quotas.

PSE's (and CSE's) are based on prices, production, consumption, and trade under current market conditions. When compared across countries or commodity markets, they show the relative importance of government policy in different countries and commodity markets in terms of their contribution to farmer revenues (or consumer costs). When examined over time, they show changing government involvement in the agricultural sector. Changes in PSE's (and CSE's) can be due to changes in country policies, world reference prices or exchange rates. These measures can be quite variable over time. PSE's (and CSE's) can contribute to models that reveal the effects on production, trade, or prices of removing government intervention from agricultural markets.

The estimates reported here were subject to several measurement problems that limit their correspondence to the theoretical concepts of subsidy equivalents. Data were not available on the basis of any consistent annual unit. Tariff and trade data were typically reported for calendar years, agricultural production data were reported for crop years that varied among crops and countries, and government budgetary data were generally reported for fiscal years. Some data were available only at an inappropriate point in the marketing chain. For example, commodities like sugarcane are processed before being exported, so the international price is imperfect for comparison with producer prices. International prices were also inadequate in years when a particular commodity was little traded. Extremely high inflation rates in some countries masked the meaning of values reported annually because

components from early in the year would be underrepresented. These empirical difficulties were compounded by normal shortcomings of secondary data sets: missing data, contradictory data sources, poor documentation of data collection procedures, and time series whose definitions of variables changed. Such problems were particularly severe in less developed countries, resulting in less accurate estimates for their subsidy equivalents.

In addition to the limitations imposed on these estimates by measurement problems, interpretation of the results shown here is constrained by our selection of policies, commodities, and countries. For example, the commodities examined here for Nigeria include the major agricultural goods traded internationally but not some of the major foods produced and consumed domestically. The overall level of government intervention in Nigerian agriculture would be overstated by attributing the same rate of intervention to untraded crops. Comparison between countries is also impaired where important commodities or policies have been omitted. For Thailand, only rice was studied here so a comparison of Thai intervention in agriculture with the United States should extend only to that crop. Similarly, the EC-10 PSE's are not strictly comparable with the U.S. PSE's because the national policies of EC-10 members were not measured although State policies in the United States were included.

This report consists of tables for 16 countries and the European Community, arranged alphabetically. Four types of tables are presented for most countries: a descriptive table of measured policies, a descriptive table of unmeasured policies, separate commodity tables for PSE's and CSE's, and separate summary tables for PSE's and CSE's. The commodity tables vary for each commodity and each country according to the nature of the commodity and the policies applied to them. The PSE's for Japanese barley during 1982-84 are shown below as an example. In this case, two types of barley are recognized, termed "2, 6-row," and "naked." The production level and producer price for each is shown on lines A through F.

Producer value includes revenue from crop sales (production times price) and any direct payment from the government. Direct payments in this case include PFRP payments (line I). Thus the formula for entries in line G is $(B \cdot E + C \cdot F) / 1000 + I$. Each producer value that includes direct payments is footnoted.

The PSE is expressed in three forms. Line N shows total policy transfers as a percentage of producer value. The 1982-86 average weights each year according to value of production. Line O shows the ratio of total policy transfers in local currency to total production quantity. Line P converts line O into dollars per ton at official exchange rates.

The summary tables are compiled for each country from the commodity tables. The value of transfers received (or costs incurred) under each program is summed across all commodities in the first section of these tables under the heading "policy transfers by policy." The value of transfers received (or costs incurred) through production (or consumption) of each commodity is shown in the second section under the heading "policy transfers by commodity." The sum of the transfers by policy shown in the first section is identical to the sum of transfers by commodity shown in the second section and is listed as total policy transfers. The next line shows the value to producers (or cost to consumers) of all studied commodities. The last line of each summary table shows the combined PSE (or CSE). It is the ratio of total policy transfers to

producer value (or consumer cost), expressed as a percentage. All average PSE's (and CSE's) for 1982-86, when expressed as percentages, are weighted by annual producer value (or consumer cost). Since nominal values are used for producer revenue and consumer cost, the procedure overrepresents later years in economies with high inflation rates.

COMMODITY TABLE EXAMPLE

| | | Japan PSE | | | | |
|-----------------------------------|-------------------------|-----------|--------|--------|----------------|--------|
| Item | Unit | 1982 | 1983 | 1984 | 1982-84 ave | |
| Barley | | | | | | |
| A. Level of production: | | | | | | |
| B. | 2, 6-row | 1000 tons | 342 | 340 | 353 | 345 |
| C. | Naked | 1000 tons | 48 | 39 | 43 | 43 |
| D. Producer price: | | | | | | |
| E. | 2, 6-row | Yen/kg | 167 | 167 | 167 | 167 |
| F. | Naked | Yen/kg | 190 | 191 | 191 | 190 |
| G. | Value to producers | Bil yen | 86 | 84 | 83 | 85 |
| H. Policy transfers to producers: | | | | | | |
| I. | PFRP payments* | Bil yen | 20.00 | 20.00 | 16.00 | 18.67 |
| J. | State control | Bil yen | 49.50 | 46.80 | 51.00 | 49.10 |
| K. | Crop insurance | Bil yen | 1.00 | 1.00 | 1.00 | 1.00 |
| L. | Inputs assistance | Bil yen | 13.00 | 12.00 | 11.00 | 12.00 |
| M. | Total policy transfers | Bil yen | 83.50 | 79.80 | 79.00 | 80.77 |
| N. | PSE (per unit value) | Percent | 97.05 | 94.56 | 95.00 | 95.55 |
| O. | PSE (per unit quantity) | Yen/kg | 214.27 | 210.33 | 199.75 | 208.05 |
| P. | | \$/ton | 860.51 | 983.75 | 839.27 | 861.18 |

* Payment to producer in addition to price received.

ARGENTINA
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|--------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Export tax | all PSE's and CSE's | The Government collected export duties by deducting the appropriate amount from the F.O.B. price (5). | The effect of the export tax was captured by comparing the F.O.B. price (2, 3) converted to Argentine currency with the wholesale price (1). |
| Exchange rate adjustment | all PSE's and CSE's | The Argentine currency was undervalued during 1982-86. | The commercial exchange rate was compared to the parity exchange rate (4) and the resulting price wedge multiplied by quantity produced or consumed. |

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4. Fundacion de Investigaciones Economicas Latino-Americanas. Indicadores de Conyuntura. Various issues.
5. Mielke, Myles J. Argentine Agricultural Policies in the Grain and Oilseed Sectors. FAER-206, U.S. Dept. Agr., Econ. Res. Ser., Sept. 1984.

Argentina PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|---------|---------|----------------|
| Wheat: | | | | | | | |
| Level of production | Mil tons | 8.30 | 15.00 | 12.75 | 13.20 | 8.50 | 11.55 |
| Producer price | A/ton | 0.24 | 0.83 | 4.98 | 37.40 | 60.09 | 20.71 |
| Value to producers | Mil A | 1.98 | 12.48 | 63.50 | 493.69 | 510.80 | 216.49 |
| Policy transfers to producers: | | | | | | | |
| Trade policy transfer | Mil A | -0.46 | -6.28 | -37.57 | -221.54 | -67.72 | -66.71 |
| Exchange rate adjustment | Mil A | 0.18 | 2.64 | 11.43 | 219.19 | 152.42 | 77.17 |
| Total policy transfers | Mil A | -0.29 | -3.64 | -26.15 | -2.35 | 84.71 | 10.46 |
| PSE (per unit value) | Percent | -14.6 | -29.2 | -41.2 | -0.5 | 16.6 | 4.8 |
| PSE (per unit quantity) | A/ton | -0.03 | -0.24 | -2.05 | -0.18 | 9.97 | 1.49 |
| | US\$/ton | -13.40 | -23.03 | -30.31 | -0.30 | 10.56 | -11.30 |
| Corn: | | | | | | | |
| Level of production | Mil tons | 9.00 | 9.20 | 11.50 | 12.10 | 9.50 | 10.26 |
| Producer price | A/ton | 0.13 | 0.76 | 5.05 | 32.26 | 47.79 | 17.20 |
| Value to producers | Mil A | 1.17 | 6.99 | 58.07 | 390.35 | 454.01 | 182.12 |
| Policy transfers to producers: | | | | | | | |
| Trade policy transfer | Mil A | -0.45 | -2.95 | -25.09 | -243.94 | -110.26 | -76.54 |
| Exchange rate adjustment | Mil A | 0.13 | 1.57 | 10.57 | 209.48 | 163.77 | 77.10 |
| Total policy transfers | Mil A | -0.32 | -1.38 | -14.52 | -34.46 | 53.51 | 0.57 |
| PSE (per unit value) | Percent | -27.4 | -19.7 | -25.0 | -8.8 | 11.8 | 0.3 |
| PSE (per unit quantity) | A/ton | -0.04 | -0.15 | -1.26 | -2.85 | 5.63 | 0.27 |
| | US\$/ton | -13.73 | -14.25 | -18.66 | -4.73 | 5.97 | -9.08 |
| Sorghum: | | | | | | | |
| Level of production | Mil tons | 7.70 | 6.90 | 6.20 | 4.20 | 3.00 | 5.60 |
| Producer price | A/ton | 0.09 | 0.48 | 2.63 | 18.24 | 27.09 | 9.71 |
| Value to producers | Mil A | 0.69 | 3.31 | 16.31 | 76.61 | 81.27 | 35.64 |
| Policy transfers to producers: | | | | | | | |
| Trade policy transfer | Mil A | -0.34 | -2.27 | -15.38 | -80.83 | -57.32 | -31.23 |
| Exchange rate adjustment | Mil A | 0.10 | 1.00 | 4.40 | 57.54 | 44.26 | 21.46 |
| Total policy transfers | Mil A | -0.24 | -1.27 | -10.98 | -23.29 | -13.06 | -9.77 |
| PSE (per unit value) | Percent | -34.63 | -38.35 | -67.34 | -30.40 | -16.07 | -27.41 |
| PSE (per unit quantity) | A/ton | -0.03 | -0.18 | -1.77 | -5.55 | -4.35 | -2.38 |
| | US\$/ton | -12.03 | -17.48 | -26.18 | -9.21 | -4.61 | -13.90 |

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Argentina PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|---------|---------|----------------|
| Soybeans: | | | | | | | |
| Level of production | Mil tons | 4.15 | 4.20 | 7.00 | 6.75 | 7.30 | 5.88 |
| Producer price | A/ton | 0.33 | 1.80 | 9.53 | 67.90 | 107.45 | 37.40 |
| Value to producers | Mil A | 1.37 | 7.56 | 66.71 | 458.33 | 784.39 | 263.67 |
| Policy transfers to producers: | | | | | | | |
| Trade policy transfer | Mil A | -0.40 | -2.76 | -41.97 | -284.45 | -372.95 | -140.51 |
| Exchange rate adjustment | Mil A | 0.12 | 1.40 | 11.77 | 215.27 | 279.66 | 101.64 |
| Total policy transfers | Mil A | -0.28 | -1.36 | -30.20 | -69.18 | -93.29 | -38.86 |
| PSE (per unit value) | Percent | -20.4 | -18.0 | -45.3 | -15.1 | -11.9 | -14.7 |
| PSE (per unit quantity) | A/ton | -0.07 | -0.32 | -4.31 | -10.25 | -12.78 | -5.55 |
| | US\$/ton | -26.05 | -30.75 | -63.77 | -17.03 | -13.54 | -30.23 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Trade policy transfer | Mil A | -1.7 | -14.3 | -120.0 | -830.8 | -608.2 | -915.0 |
| Exchange rate adjustment | Mil A | 0.5 | 6.6 | 38.2 | 701.5 | 640.1 | 277.4 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil A | -0.3 | -3.6 | -26.1 | -2.3 | 84.7 | 10.5 |
| Corn | Mil A | -0.3 | -1.4 | -14.5 | -34.5 | 53.5 | 0.6 |
| Sorghum | Mil A | -0.2 | -1.3 | -11.0 | -23.3 | -13.1 | -9.8 |
| Soybeans | Mil A | -0.3 | -1.4 | -30.2 | -69.2 | -93.3 | -38.9 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | -14.6 | -29.2 | -41.2 | -0.5 | 16.6 | 4.8 |
| Corn | Percent | -27.4 | -19.7 | -25.0 | -8.8 | 11.8 | 0.3 |
| Sorghum | Percent | -34.6 | -38.3 | -67.3 | -30.4 | -16.1 | -27.4 |
| Soybeans | Percent | -20.4 | -18.0 | -45.3 | -15.1 | -11.9 | -14.7 |
| Total policy transfers | Mil A | -1 | -8 | -82 | -129 | 32 | -38 |
| Value to producers | Mil A | 5 | 30 | 205 | 1419 | 1830 | 698 |
| 4-commodity PSE | Percent | -21.7 | -25.2 | -40.0 | -9.1 | 1.7 | -5.4 |

Note: A = australes

Argentina CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|-------|-------|-------|-------|-------|----------------|
| Wheat: | | | | | | | |
| Level of consumption | Mil tons | 4.3 | 4.8 | 4.7 | 4.6 | 4.4 | 4.6 |
| Wholesale price | A/ton | 0.3 | 1.0 | 6.2 | 46.8 | 75.1 | 25.9 |
| Total cost to consumers | Mil A | 1.3 | 4.8 | 29.1 | 215.3 | 330.4 | 116.2 |
| Policy transfers to consumers: | | | | | | | |
| Export tax | Mil A | 0.2 | 2.0 | 13.9 | 77.2 | 35.1 | 25.7 |
| Exchange rate adjustment | Mil A | -0.2 | -0.7 | -3.8 | -28.0 | -42.9 | -15.1 |
| Total policy transfers | Mil A | 0.1 | 1.4 | 10.1 | 49.2 | -7.9 | 10.6 |
| CSE (per unit value) | Percent | 5.8 | 28.6 | 34.5 | 22.9 | -2.4 | 9.1 |
| CSE (per unit quantity) | A/ton | 0.0 | 0.3 | 2.1 | 10.7 | -1.8 | 2.3 |
| | US\$/ton | 6.73 | 27.16 | 31.61 | 17.79 | -1.90 | 16.28 |
| Corn: | | | | | | | |
| Level of consumption | Mil tons | 3.2 | 4.0 | 4.1 | 4.6 | 4.8 | 4.1 |
| Wholesale price | A/ton | 0.2 | 1.1 | 7.2 | 46.1 | 68.3 | 24.6 |
| Total cost to consumers | Mil A | 0.6 | 4.4 | 29.5 | 212.1 | 327.8 | 114.9 |
| Policy transfers to consumers: | | | | | | | |
| Export tax | Mil A | 0.2 | 1.3 | 8.9 | 92.7 | 55.7 | 31.8 |
| Exchange rate adjustment | Mil A | -0.1 | -0.6 | -3.8 | -27.6 | -42.6 | -14.9 |
| Total policy transfers | Mil A | 0.1 | 0.7 | 5.1 | 65.2 | 13.1 | 16.8 |
| CSE (per unit value) | Percent | 13.0 | 16.1 | 17.2 | 30.7 | 4.0 | 14.6 |
| CSE (per unit quantity) | A/ton | 0.0 | 0.2 | 1.2 | 14.2 | 2.7 | 3.7 |
| | US\$/ton | 10.01 | 16.81 | 18.26 | 23.55 | 2.89 | 14.30 |
| Sorghum: | | | | | | | |
| Level of consumption | Mil tons | 2.7 | 2.9 | 2.8 | 2.4 | 2.2 | 2.6 |
| Wholesale price | A/ton | 0.2 | 0.9 | 4.8 | 33.2 | 49.3 | 17.7 |
| Total cost to consumers | Mil A | 0.5 | 2.6 | 13.4 | 79.7 | 108.5 | 40.9 |
| Policy transfers to consumers: | | | | | | | |
| Export tax | Mil A | 0.1 | 1.0 | 6.9 | 46.2 | 42.0 | 19.2 |
| Exchange rate adjustment | Mil A | -0.1 | -0.3 | -1.7 | -10.3 | -14.1 | -5.3 |
| Total policy transfers | Mil A | 0.1 | 0.6 | 5.2 | 35.8 | 27.9 | 13.9 |
| CSE (per unit value) | Percent | 11.7 | 24.0 | 38.7 | 45.0 | 25.8 | 34.0 |
| CSE (per unit quantity) | A/ton | 0.0 | 0.2 | 1.9 | 14.9 | 12.7 | 5.9 |
| | US\$/ton | 9.01 | 20.53 | 27.46 | 24.82 | 13.45 | 19.05 |

--Continued

Argentina CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|-------|-------|-------|--------|--------|----------------|
| Soybeans: | | | | | | | |
| Level of consumption | Mil tons | 2.1 | 2.6 | 3.9 | 3.8 | 4.7 | 3.4 |
| Wholesale price | A/ton | 0.4 | 2.1 | 11.2 | 79.9 | 126.4 | 44.0 |
| Total cost to consumers | Mil A | 0.8 | 5.5 | 43.7 | 303.6 | 594.1 | 189.5 |
| Policy transfers to consumers: | | | | | | | |
| Export tax | Mil A | 0.2 | 1.7 | 23.5 | 159.3 | 240.7 | 85.1 |
| Exchange rate adjustment | Mil A | -0.1 | -0.7 | -5.7 | -39.3 | -77.4 | -24.6 |
| Total policy transfers | Mil A | 0.1 | 1.0 | 17.8 | 120.0 | 163.3 | 60.4 |
| CSE (per unit value) | Percent | 11.5 | 18.4 | 40.7 | 39.5 | 27.5 | 31.9 |
| CSE (per unit quantity) | A/ton | 0.0 | 0.4 | 4.6 | 31.6 | 34.7 | 14.3 |
| | US\$/ton | 17.83 | 36.78 | 67.46 | 52.49 | 36.79 | 42.27 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Export tax | Mil A | 0.7 | 6.0 | 53.2 | 375.4 | 373.5 | 161.8 |
| Exchange rate adjustment | Mil A | -0.4 | -2.3 | -15.1 | -105.1 | -177.0 | -60.0 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil A | 0.1 | 1.4 | 10.1 | 49.2 | -7.9 | 10.6 |
| Corn | Mil A | 0.1 | 0.7 | 5.1 | 65.2 | 13.1 | 16.8 |
| Sorghum | Mil A | 0.1 | 0.6 | 5.2 | 35.8 | 27.9 | 13.9 |
| Soybeans | Mil A | 0.1 | 1.0 | 17.8 | 120.0 | 163.3 | 60.4 |
| CSE by commodity: | | | | | | | |
| Wheat | Percent | 5.8 | 28.6 | 34.5 | 22.9 | -2.4 | 9.1 |
| Corn | Percent | 13.0 | 16.1 | 17.2 | 30.7 | 4.0 | 14.6 |
| Sorghum | Percent | 11.7 | 24.0 | 38.7 | 45.0 | 25.8 | 34.0 |
| Soybeans | Percent | 11.5 | 18.4 | 40.7 | 39.5 | 27.5 | 31.9 |
| Total policy transfers | Mil A | 0.3 | 3.7 | 38.1 | 270.3 | 196.4 | 101.8 |
| Cost to consumers | Mil A | 3.3 | 17.3 | 115.8 | 810.6 | 1360.8 | 461.6 |
| 4-commodity CSE | Percent | 9.6 | 21.5 | 32.9 | 33.3 | 14.4 | 22.1 |

Note: A = australes

AUSTRALIA
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fertilizer subsidies | sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE fluid milk PSE beef and veal PSE cotton PSE sheepmeat PSE | The Australian Government provides subsidies to manufacturers of agricultural fertilizers. | Full value of subsidy was assumed to benefit farmers. Based on fertilizer intensity and mix survey data, total value subsidy allocated among major activities. Further disaggregation was on the basis of output (1). |
| Interest concessions | sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE fluid milk PSE beef and veal PSE cotton PSE sheepmeat PSE | Farmers have limited access to concessional credit for overdrafts and farm developments. | Value of concession was the interest differential from open market rates weighted by value of outstanding loans by type of activity (1). |
| Home consumption pricing | sugar PSE wheat PSE rice PSE cotton PSE | Price discrimination: surplus revenue from higher prices in the domestic market subsidizes export sales. | Surplus revenue from domestic discrimination was calculated using export prices as free market value. Surplus was distributed over export volume to yield a unit subsidy (1, 2). |
| Rural adjustment scheme | sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE beef and veal PSE fluid milk PSE cotton PSE sheepmeat PSE | RAS refers to an umbrella of programs to assist family farms judged financially viable. Assistance was individually tailored, usually via debt restructuring and lending to achieve scale economies or alter product mix. | Includes grant values plus the subsidy value of concessional lending. Program expenditures were identifiable by commodity (1). |
| Export incentives | sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE fluid milk PSE beef and veal PSE cotton PSE | Grants to encourage small- and medium-size firms to engage in exporting | Budgetary item by commodity value was distributed among commodities by export volume (1). |

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Australia: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Research | sugar PSE wheat PSE barley PSE rice PSE mfg. milk PSE fluid milk PSE beef and veal PSE | Government contributions to research trust funds and matching funding to producer research groups | General agricultural research and overhead were allocated by shares of total value of output. Commodity specific research was reported directly (1). |
| Natural disaster relief | wheat PSE barley PSE mfg. milk beef and veal PSE sheepmeat PSE | Commonwealth and States provide assistance to mitigate the effects of cyclones, floods, storms, fire, and drought. | Distributed over products by shares of total value of output (1). |
| Export inspection | wheat PSE beef and veal PSE sheepmeat PSE | Government covers 50 percent of the cost of export inspection. | Costs distributed among meats by export inspection volume; costs distributed among grains by export inspection volume (1). |
| Interest subsidy to AWB | wheat PSE | Government reimburses the Australian Wheat Board for exceptional expenses and grants access to concessional credit for advance payments to wheat growers. | From AWB budget and calculated values of interest concession (1). |
| Equalization | mfg. milk PSE | Revenues from levies on domestic dairy product sales were transferred to equalize average export return to processors of dairy products. The cross-subsidy diminished export risk. Program terminated July, 1986; new program places levy on all production. | Value of levy revenue in relation to manufactured milk volume (1). |
| Tuberculosis and bovine brucellosis eradication | mfg. milk PSE market milk PSE beef and veal PSE | Testing and destruction of infected animals was funded by Commonwealth and States. Owners were partially compensated for condemned animals. A levy on slaughtered cattle partially funds operations. | Separate accounts for beef and dairy cattle. Mfg. and market milk allocated proportionately to production (1). |

--Continued

Australia: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Beef carcass classification | beef and veal PSE | Government is funding the development of national beef cattle carcass classification scheme. | Full cost of investment in year of disbursement (unamortized) (1) |
| Other taxation concessions | sugar PSE wheat PSE rice PSE mfg. milk PSE fluid milk PSE beef & veal PSE barley PSE cotton PSE sheepmeat PSE | Agricultural activities are subject to various accounting and taxation provisions which, in aggregate, result in lower rates of taxation than urban enterprises e.g. accelerated depreciation and income averaging. | As reported by the IAC (1) |
| Domestic price support | fluid milk PSE | Price discrimination: a premium is established on fluid milk to ensure a year-round supply at stable consumer prices. | Budgetary account |
| Underwriting | fluid milk PSE mfg. milk PSE | The Commonwealth Government guarantees a minimum return to mfg. milk producers. The minimum return is calculated by a formula specified in a dairy legislation. When realized market structures fall below the minimum, government payments occur. | Budgetary item: payments reported for year of disbursement |
| Sheepmeat market development fund | sheepmeat PSE | The Commonwealth Government provides matching funds for sheepmeat promotion. | Budgetary item (1) |
| Guaranteed minimum price | wheat PSE | The GMP is calculated by a formula specified in wheat marketing legislation to ensure wheat producers of a guaranteed minimum return on production. When realized returns per ton fell below the GMP, government payments were triggered. | Budgetary item |

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2. U.S. Department of Agriculture, Economic Research Service. Unpublished estimates.

Australia PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|-------|-------|-------|-------|-------|----------------|
| Sugar: | | | | | | | |
| Level of production | 1000 tons | 3536 | 3170 | 3547 | 3378 | 3360 | 3398 |
| Producer price | A\$/ton | 148 | 173 | 151 | 151 | 177 | 160 |
| Value to producers | Mil A\$ | 524 | 583 | 534 | 510 | 595 | 549 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 1.9 | 1.9 | 2.3 | 3.1 | 0.0 | 1.8 |
| Interest concessions | Mil A\$ | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 |
| Home consumption pricing | Mil A\$ | 48.5 | 33.9 | 68.2 | 71.7 | 59.4 | 56.3 |
| Rural adjustment scheme | Mil A\$ | 3.2 | 1.8 | 7.7 | 8.2 | 6.0 | 5.4 |
| Export incentives | Mil A\$ | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 |
| Research | Mil A\$ | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other taxation concessions | Mil A\$ | 8.5 | 0.5 | 0.7 | 0.8 | 0.7 | 2.2 |
| Sugar industrial assist | Mil A\$ | 0.0 | 0.0 | 0.0 | 0.0 | 22.6 | 4.5 |
| Total policy transfers | Mil A\$ | 62.5 | 38.6 | 79.5 | 84.5 | 89.4 | 70.9 |
| PSE (per unit value) | Percent | 11.9 | 6.6 | 14.9 | 16.6 | 15.0 | 12.9 |
| PSE (per unit quantity) | A\$/ton | 17.7 | 12.2 | 22.4 | 25.0 | 26.6 | 20.8 |
| | \$/ton | 17.98 | 10.99 | 19.71 | 17.53 | 17.85 | 16.81 |
| Wheat: | | | | | | | |
| Level of production | 1000 tons | 8876 | 22016 | 18666 | 16127 | 16190 | 16375 |
| Producer price | A\$/ton | 151 | 122 | 133 | 121 | 105 | 127 |
| Value to producers | Mil A\$ | 1344 | 2682 | 2488 | 1951 | 1700 | 2033 |
| Policy transfers to producers: | | | | | | | |
| GMP direct payment | Mil A\$ | 0.0 | 0.0 | 0.0 | 0.0 | 218.0 | 43.6 |
| Fertilizer subsidies | Mil A\$ | 13.5 | 14.0 | 14.8 | 19.7 | 0.0 | 12.4 |
| Interest concessions | Mil A\$ | 0.6 | 1.0 | 1.5 | 2.1 | 1.0 | 1.2 |
| Natural disaster relief | Mil A\$ | 3.7 | 5.2 | 2.7 | 3.1 | 0.0 | 2.9 |
| Home consumption pricing | Mil A\$ | 33.7 | 43.0 | 14.4 | 21.6 | 17.9 | 26.1 |
| Export inspection | Mil A\$ | 5.0 | 4.3 | 3.7 | 4.4 | 5.7 | 4.6 |
| Rural adjustment scheme | Mil A\$ | 3.2 | 4.7 | 3.9 | 4.4 | 5.2 | 4.3 |
| Interest subsidy to AWB | Mil A\$ | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 |
| Export incentives | Mil A\$ | 0.1 | 0.9 | 0.3 | 0.0 | 0.0 | 0.3 |
| Research | Mil A\$ | 15.1 | 22.6 | 22.1 | 21.1 | 29.0 | 22.0 |
| Other taxation concessions | Mil A\$ | 26.9 | 13.5 | 16.4 | 15.0 | 15.0 | 17.4 |
| Total policy transfers | Mil A\$ | 122.7 | 109.2 | 79.8 | 91.3 | 291.9 | 139.0 |
| PSE (per unit value) | Percent | 9.1 | 4.1 | 3.2 | 4.7 | 17.2 | 6.8 |
| PSE (per unit quantity) | A\$/ton | 13.8 | 5.0 | 4.3 | 9.3 | 6.7 | 7.8 |
| | US\$/ton | 14.06 | 4.48 | 3.76 | 6.52 | 4.49 | 6.66 |

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Australia PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Rice: | | | | | | | |
| Level of production | 1000 tons | 548 | 632 | 864 | 688 | 623 | 671 |
| Producer price | A\$/ton | 146 | 127 | 136 | 122 | 110 | 128 |
| Value to producers | Mil A\$ | 80 | 80 | 118 | 84 | 69 | 86 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| Interest concessions | Mil A\$ | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| Home consumption pricing | Mil A\$ | 9.8 | 10.0 | 6.4 | 6.0 | 9.6 | 8.4 |
| Rural adjustment scheme | Mil A\$ | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 |
| Export incentives | Mil A\$ | 1.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.4 |
| Research | Mil A\$ | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| Export inspection | Mil A\$ | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Other taxation concessions | Mil A\$ | 1.4 | 0.4 | 0.7 | 0.8 | 0.8 | 0.8 |
| Total policy transfers | Mil A\$ | 14.1 | 11.4 | 8.3 | 10.8 | 14.9 | 11.9 |
| PSE (per unit value) | Percent | 17.6 | 14.2 | 7.0 | 12.9 | 21.8 | 13.8 |
| PSE (per unit quantity) | A\$/ton | 25.7 | 18.0 | 9.6 | 15.7 | 23.9 | 18.6 |
| | US\$/ton | 26.16 | 16.25 | 8.42 | 11.00 | 16.06 | 15.58 |
| Manufacturing milk: | | | | | | | |
| Level of production | 1000 tons | 4077 | 4488 | 4585 | 4553 | 4442 | 4429 |
| Producer price | A\$/ton | 162 | 152 | 131 | 142 | 156 | 149 |
| Value to producers | Mil A\$ | 660 | 683 | 600 | 647 | 693 | 657 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| Interest concessions | Mil A\$ | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 | 0.3 |
| Natural disaster relief | Mil A\$ | 24.7 | 14.1 | 5.1 | 5.9 | 3.0 | 10.6 |
| Equalization | Mil A\$ | 115.1 | 143.6 | 124.7 | 127.1 | 127.0 | 127.5 |
| Domestic price support | Mil A\$ | 0.2 | 0.0 | 6.2 | 1.3 | 0.2 | 1.6 |
| Tuberculosis eradication | Mil A\$ | 0.5 | 0.8 | 1.1 | 0.8 | 1.1 | 0.9 |
| Export incentives | Mil A\$ | 0.1 | 0.6 | 0.2 | 0.2 | 0.2 | 0.3 |
| Rural adjustment scheme | Mil A\$ | 4.0 | 3.2 | 2.7 | 2.9 | 1.5 | 2.9 |
| Research | Mil A\$ | 6.1 | 4.9 | 3.3 | 3.3 | 4.5 | 4.4 |
| Other taxation concessions | Mil A\$ | 12.2 | 2.0 | 2.0 | 2.4 | 2.0 | 4.1 |
| Total policy transfers | Mil A\$ | 163.3 | 169.5 | 145.7 | 144.4 | 139.7 | 152.5 |
| PSE (per unit value) | Percent | 24.7 | 24.8 | 24.3 | 22.3 | 20.2 | 23.2 |
| PSE (per unit quantity) | A\$/ton | 247.4 | 248.1 | 242.8 | 223.3 | 201.5 | 232.7 |
| | \$/ton | 251.74 | 223.91 | 213.57 | 156.52 | 135.22 | 196.19 |

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Australia PSE's (continued)

| | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Fluid milk: | | | | | | | |
| Level of production | 1000 tons | 1622 | 1622 | 1643 | 1677 | 1697 | 1652 |
| Producer price | A\$/ton | 278 | 289 | 302 | 317 | 334 | 304 |
| Value to producers | Mil A\$ | 451 | 468 | 497 | 532 | 567 | 503 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| Interest concessions | Mil A\$ | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 |
| Natural disaster relief | Mil A\$ | 17.3 | 10.7 | 5.2 | 6.1 | 3.0 | 8.5 |
| Underwriting | Mil A\$ | 0.0 | 0.0 | 6.2 | 1.3 | 0.3 | 1.6 |
| Domestic price support | Mil A\$ | 191.3 | 205.8 | 249.2 | 258.0 | 250.0 | 230.9 |
| Tuberculosis eradication | Mil A\$ | 0.4 | 0.6 | 1.1 | 0.8 | 1.1 | 0.8 |
| Export incentives | Mil A\$ | 0.1 | 0.5 | 0.3 | 0.3 | 0.0 | 0.2 |
| Rural adjustment scheme | Mil A\$ | 2.8 | 2.5 | 2.7 | 2.9 | 1.2 | 2.4 |
| Research | Mil A\$ | 4.2 | 3.7 | 3.4 | 3.4 | 3.4 | 3.6 |
| Other taxation concessions | Mil A\$ | 8.5 | 1.5 | 2.1 | 2.5 | 2.2 | 3.4 |
| Total policy transfers | Mil A\$ | 224.9 | 225.6 | 270.6 | 275.8 | 261.4 | 251.7 |
| PSE (per unit value) | Percent | 49.8 | 48.2 | 54.4 | 51.9 | 46.1 | 50.0 |
| PSE (per unit quantity) | A\$/ton | 498.5 | 481.6 | 544.4 | 518.8 | 461.3 | 500.9 |
| | US\$/ton | 507.16 | 434.58 | 478.90 | 363.58 | 309.46 | 418.73 |
| Beef and Veal: | | | | | | | |
| Level of production | 1000 tons | 1542 | 1344 | 1310 | 1388 | 1395 | 1396 |
| Producer price | A\$/ton | 1305 | 1586 | 1707 | 1713 | 1740 | 1610 |
| Value to producers | Mil A\$ | 2012 | 2132 | 2236 | 2378 | 2427 | 2237 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 12.5 | 13.1 | 13.6 | 18.1 | 0.0 | 11.5 |
| Interest concessions | Mil A\$ | 0.9 | 0.6 | 1.1 | 1.1 | 0.7 | 0.9 |
| Natural disaster relief | Mil A\$ | 68.8 | 40.7 | 16.9 | 20.0 | 8.0 | 30.9 |
| Export inspection | Mil A\$ | 29.5 | 40.6 | 19.3 | 27.3 | 32.4 | 29.8 |
| Tuberculosis eradication | Mil A\$ | 6.5 | 9.5 | 16.0 | 11.8 | 16.1 | 12.0 |
| Rural adjustment scheme | Mil A\$ | 4.6 | 4.2 | 4.1 | 4.3 | 5.9 | 4.6 |
| Beef carcass classification | Mil A\$ | 0.8 | 0.7 | 0.3 | 0.2 | 0.2 | 0.4 |
| Export incentives | Mil A\$ | 0.0 | 1.0 | 0.2 | 0.0 | 0.0 | 0.2 |
| Research | Mil A\$ | 19.8 | 17.5 | 15.5 | 15.5 | 16.0 | 16.9 |
| Other taxation concessions | Mil A\$ | 23.4 | 28.2 | 41.4 | 49.0 | 43.0 | 37.0 |
| Total policy transfers | Mil A\$ | 166.8 | 156.1 | 128.4 | 147.3 | 122.3 | 144.2 |
| PSE (per unit value) | Percent | 8.3 | 7.3 | 5.7 | 6.2 | 5.0 | 6.4 |
| PSE (per unit quantity) | A\$/ton | 108.2 | 116.1 | 98.0 | 106.1 | 87.6 | 103.2 |
| | US\$/ton | 110.05 | 104.81 | 86.21 | 74.36 | 58.80 | 86.85 |

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Australia PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|-------|-------|-------|-------|------|----------------|
| Barley: | | | | | | | |
| Level of production | 1000 tons | 1939 | 4890 | 5554 | 4913 | 3556 | 4170 |
| Producer price | A\$/ton | 158 | 123 | 110 | 115 | 100 | 121 |
| Value to producers | Mil A\$ | 307 | 601 | 612 | 565 | 356 | 488 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 3.4 | 3.6 | 4.6 | 6.1 | 0.0 | 3.5 |
| Interest concessions | Mil A\$ | 0.1 | 0.2 | 0.3 | 0.4 | 0.2 | 0.2 |
| Natural disaster relief | Mil A\$ | 0.7 | 1.1 | 0.6 | 0.7 | 0.0 | 0.6 |
| Rural adjustment scheme | Mil A\$ | 0.6 | 0.9 | 0.8 | 0.8 | 0.9 | 0.8 |
| Export incentives | Mil A\$ | 0.2 | 1.6 | 0.4 | 0.4 | 0.4 | 0.6 |
| Research | Mil A\$ | 2.4 | 4.4 | 4.3 | 4.3 | 4.3 | 3.9 |
| Export inspection | Mil A\$ | 1.4 | 1.2 | 1.0 | 1.2 | 0.9 | 1.1 |
| Other taxation concessions | Mil A\$ | 4.9 | 2.7 | 3.3 | 3.9 | 2.6 | 3.5 |
| Total policy transfers | Mil A\$ | 13.7 | 15.7 | 15.3 | 17.8 | 9.3 | 14.3 |
| PSE (per unit value) | Percent | 4.5 | 2.6 | 2.5 | 3.2 | 2.6 | 2.9 |
| PSE (per unit quantity) | A\$/ton | 7.0 | 3.2 | 2.8 | 3.6 | 2.6 | 3.8 |
| | US\$/ton | 7.16 | 2.89 | 2.42 | 2.54 | 1.76 | 3.35 |
| Cotton (lint and seed): | | | | | | | |
| Level of production | 1000 tons | 265 | 371 | 659 | 668 | 578 | 508 |
| Producer price | A\$/ton | 577 | 717 | 501 | 463 | 476 | 547 |
| Value to producers | Mil A\$ | 153 | 266 | 330 | 309 | 275 | 267 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 0.1 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| Interest concessions | Mil A\$ | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 |
| Home consumption pricing | Mil A\$ | 7.6 | 11.1 | 7.0 | 7.5 | 4.0 | 7.4 |
| Rural adjustment scheme | Mil A\$ | 0.1 | 0.1 | 0.2 | 0.3 | 0.6 | 0.3 |
| Export incentives | Mil A\$ | 2.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.8 |
| Research | Mil A\$ | 1.3 | 2.1 | 2.4 | 0.4 | 0.8 | 1.4 |
| Other taxation concessions | Mil A\$ | 1.5 | 1.9 | 3.0 | 2.3 | 2.0 | 2.1 |
| Total policy transfers | Mil A\$ | 12.7 | 17.7 | 13.0 | 11.0 | 7.5 | 12.4 |
| PSE (per unit value) | Percent | 8.3 | 6.7 | 3.9 | 3.6 | 2.7 | 4.6 |
| PSE (per unit quantity) | A\$/ton | 47.9 | 47.7 | 19.7 | 16.4 | 12.9 | 28.9 |
| | US\$/ton | 48.76 | 43.05 | 17.35 | 11.52 | 8.68 | 25.87 |

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Australia PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|-------|------|------|------|------|----------------|
| Sheepmeat: | | | | | | | |
| Level of production: | | | | | | | |
| Mutton | 1000 tons | 250 | 169 | 215 | 254 | 291 | 236 |
| Lamb | 1000 tons | 280.4 | 296 | 301 | 311 | 260 | 290 |
| Live sheep export | 1000 head | 6951 | 7166 | 6754 | 6347 | 6700 | 6784 |
| Producer price: | | | | | | | |
| Mutton | A\$/ton | 466 | 447 | 407 | 305 | 293 | 384 |
| Lamb | A\$/ton | 1055 | 1047 | 1047 | 823 | 1074 | 1009 |
| Live sheep export | A\$/head | 25.3 | 30.4 | 29.8 | 26.9 | 26.0 | 27.7 |
| Value to producers | Mil A\$ | 588 | 603 | 604 | 504 | 539 | 568 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil A\$ | 2.1 | 2.1 | 1.8 | 2.4 | 0.0 | 1.7 |
| Interest concessions | Mil A\$ | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 |
| Natural disaster relief | Mil A\$ | 11.4 | 6.3 | 2.2 | 2.6 | 2.0 | 4.9 |
| Export inspection | Mil A\$ | 8.1 | 8.3 | 4.6 | 6.5 | 8.9 | 7.3 |
| Rural adjustment scheme | Mil A\$ | 1.2 | 1.1 | 1.1 | 1.2 | 1.3 | 1.2 |
| Sheepmeat marked dev fund | Mil A\$ | 0.0 | 0.6 | 0.5 | 0.5 | 0.3 | 0.4 |
| Research | Mil A\$ | 5.1 | 4.8 | 3.8 | 3.8 | 5.0 | 4.5 |
| Other taxation concessions | Mil A\$ | 4.5 | 3.3 | 3.6 | 4.3 | 3.5 | 3.8 |
| Total policy transfers | Mil A\$ | 32.6 | 26.7 | 17.9 | 21.7 | 21.3 | 24.0 |
| PSE (per unit value) | Percent | 5.5 | 4.4 | 3.0 | 4.3 | 3.9 | 4.2 |
| PSE (per unit quantity) | A\$/ton | 4.4 | 3.5 | 2.5 | 3.1 | 2.9 | 3.3 |
| | US\$/ton | 4.43 | 3.16 | 2.17 | 2.20 | 1.97 | 2.78 |

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Australia PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|--------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy | | | | | | | |
| GMP direct payment | Mil A\$ | 0.0 | 0.0 | 0.0 | 0.0 | 218.0 | 43.6 |
| Fertilizer subsidies | Mil A\$ | 33.7 | 35.2 | 37.6 | 50.0 | 0.0 | 31.3 |
| Interest concessions | Mil A\$ | 2.6 | 2.7 | 4.4 | 5.5 | 3.2 | 3.7 |
| Home consumption pricing | Mil A\$ | 99.6 | 98.0 | 96.0 | 106.8 | 90.9 | 98.3 |
| Rural adjustment scheme | Mil A\$ | 19.9 | 18.6 | 23.4 | 25.2 | 22.6 | 22.0 |
| Export incentives | Mil A\$ | 4.6 | 7.2 | 1.7 | 1.2 | 0.9 | 3.1 |
| Research | Mil A\$ | 54.7 | 60.6 | 55.5 | 52.5 | 63.7 | 57.4 |
| Other taxation concessions | Mil A\$ | 91.8 | 54.0 | 73.2 | 81.0 | 71.8 | 74.4 |
| Natural disaster relief | Mil A\$ | 126.6 | 78.1 | 32.7 | 38.4 | 16.0 | 58.4 |
| Export inspection | Mil A\$ | 42.6 | 53.2 | 27.6 | 38.2 | 47.0 | 41.7 |
| Interest subsidy to AWB | Mil A\$ | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 |
| Equalization | Mil A\$ | 115.1 | 143.6 | 124.7 | 127.1 | 127.0 | 127.5 |
| Domestic price support | Mil A\$ | 191.5 | 205.8 | 255.4 | 259.3 | 250.2 | 232.4 |
| Tuberculosis eradication | Mil A\$ | 7.4 | 10.9 | 18.2 | 13.4 | 18.3 | 13.6 |
| Underwriting | Mil A\$ | 0.0 | 0.0 | 6.2 | 1.3 | 0.3 | 1.6 |
| Beef carcass classification | Mil A\$ | 0.8 | 0.7 | 0.3 | 0.2 | 0.2 | 0.4 |
| Sheepmeat marked dev fund | Mil A\$ | 0.0 | 0.6 | 0.5 | 0.5 | 0.3 | 0.4 |
| Sugar industrial assist | Mil A\$ | 0.0 | 0.0 | 0.0 | 0.0 | 22.6 | 4.5 |
| Export inspection | Mil A\$ | 1.4 | 1.2 | 1.1 | 1.4 | 1.1 | 1.2 |
| Policy transfers by commodity: | | | | | | | |
| Sugar | Mil A\$ | 62.5 | 38.6 | 79.5 | 84.5 | 89.4 | 70.9 |
| Wheat | Mil A\$ | 122.7 | 109.2 | 79.8 | 91.3 | 291.9 | 139.0 |
| Rice | Mil A\$ | 14.1 | 11.4 | 8.3 | 10.8 | 14.9 | 11.9 |
| Manufacturing milk | Mil A\$ | 163.3 | 169.5 | 145.7 | 144.4 | 139.7 | 152.5 |
| Fluid milk | Mil A\$ | 224.9 | 225.6 | 270.6 | 275.8 | 261.4 | 251.7 |
| Beef and veal | Mil A\$ | 166.8 | 156.1 | 128.4 | 147.3 | 122.3 | 144.2 |
| Barley | Mil A\$ | 13.7 | 15.7 | 15.3 | 17.8 | 9.3 | 14.3 |
| Cotton | Mil A\$ | 12.7 | 17.7 | 13.0 | 11.0 | 7.5 | 12.4 |
| Sheepmeat | Mil A\$ | 32.6 | 26.7 | 17.9 | 21.7 | 21.3 | 24.0 |
| PSE by commodity: | | | | | | | |
| Sugar | Percent | 11.9 | 6.6 | 14.9 | 16.6 | 15.0 | 12.9 |
| Wheat | Percent | 9.1 | 4.1 | 3.2 | 4.7 | 17.2 | 6.8 |
| Rice | Percent | 17.6 | 14.2 | 7.0 | 12.9 | 21.8 | 13.8 |
| Manufacturing milk | Percent | 24.7 | 24.8 | 24.3 | 22.3 | 20.2 | 23.2 |
| Fluid milk | Percent | 49.8 | 48.2 | 54.4 | 51.9 | 46.1 | 50.0 |
| Beef and veal | Percent | 8.3 | 7.3 | 5.7 | 6.2 | 5.0 | 6.4 |
| Barley | Percent | 4.5 | 2.6 | 2.5 | 3.2 | 2.6 | 2.9 |
| Cotton | Percent | 8.3 | 6.7 | 3.9 | 3.6 | 2.7 | 4.6 |
| Sheepmeat | Percent | 5.5 | 4.4 | 3.0 | 4.3 | 3.9 | 4.2 |
| Total policy transfers | Mil A\$ | 813.2 | 770.4 | 758.5 | 804.6 | 957.6 | 820.9 |
| Value to producers | Mil A\$ | 6119.8 | 8098.5 | 8018.2 | 7479.2 | 7219.6 | 7387.1 |
| 9-commodity PSE | Percent | 13.3 | 9.5 | 9.5 | 10.8 | 13.3 | 11.1 |

Note: A\$ = Australian dollars

BRAZIL
Measured Policies

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|----------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Research | all PSE's | Some benefits of research accrue to farm. | Federal expenditure on agricultural research weighted by crop value. |
| Production credit | all PSE's | Short-term loans at below market rates for working capital. | Estimated loan value to farmers includes interest rate subsidy and credit availability during high inflation. |
| Minimum price | wheat PSE | Government will buy the crop. | Subsidy is minimum price less the world price adjusted for marketing margins. |
| Domestic and export taxes | soybean PSE wheat PSE beef PSE poultry PSE cotton PSE | Value-added tax on most products, occasional other taxes as applied | Tax is a direct transfer from farmer to the Government. |
| Marketing credit and other government credit | all PSE's | Loans at below market rates | Estimated loan value to producer is interest rate subsidy and credit availability during high inflation. |
| Exchange rates adjustment | all PSE's | The Government controls currency exchange rates. | Adjustment to purchasing power parity exchange rate. |
| Export quotas or quantitative restrictions | soybean PSE cotton PSE beef PSE poultry PSE | Nontariff trade barriers effect price transmission. | The price received by farmers minus the free market price equivalent, adjusted for factors in other policies. |
| Price controls and subsidized imports | milk PSE poultry PSE beef PSE | Government keeps the price low price transmission. | The price received by farmers minus the free market price equivalent, adjusted for factors in other policies. |
| Subsidized corn sales | poultry PSE | Sale of government stocks at less than cost. | Subsidy is the market price less price paid to Government. |

BRAZIL
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|-------------------|-------------------------------|
| Crop insurance | Data is still being obtained. |
| Fuel cost | Data is still being obtained. |
| Fertilizer cost | Data is still being obtained. |

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Brazil PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-85 ave |
|--------------------------------|-----------|---------|---------|----------|----------|----------|----------------|
| Wheat: | | | | | | | |
| Level of production | Mil tons | 1.8 | 2.1 | 1.9 | 4.3 | 5.6 | 2.5 |
| Producer price | Cr \$/ton | 55367 | 150750 | 525500 | 2020796 | 3340000 | 688103 |
| Value to producers | Mil cr \$ | 102374 | 316575 | 998450 | 8689423 | 18704000 | 2526705 |
| Policy transfers to producers: | | | | | | | |
| Research | Mil cr \$ | 363 | 925 | 1653 | 0 | 0 | 735 |
| Subsidized credit: | Mil cr \$ | 65817 | 177972 | 452108 | 2581983 | 1003465 | 819470 |
| Production credit | Mil cr \$ | 65817 | 177972 | 452108 | 2581983 | 1003465 | 819470 |
| Input subsidies: | Mil cr \$ | 8485 | 35563 | 100299 | 749442 | 1568197 | 223447 |
| Freight subsidy | Mil cr \$ | 8485 | 35563 | 100299 | 749442 | 1568197 | 223447 |
| General economic policy: | Mil cr \$ | 4380 | -39708 | 77404 | 2188007 | 7202098 | 557521 |
| Domestic & export taxes | Mil cr \$ | -3408 | -18457 | -45950 | -323145 | -491703 | -97740 |
| Market intervention | Mil cr \$ | 22936 | -9272 | 172954 | 2807693 | 9126779 | 748578 |
| Exchange rate adjustment | Mil cr \$ | -15148 | -11979 | -49600 | -296541 | -1432978 | -93317 |
| Total policy transfers | Mil cr \$ | 79045 | 174752 | 631464 | 5519432 | 9773760 | 1601173 |
| PSE (per unit value) | Percent | 77.2 | 55.2 | 63.2 | 63.5 | 52.3 | 63.4 |
| PSE (per unit quantity) | Cr \$/ton | 42750 | 83215 | 332349 | 1283589 | 1745314 | 435476 |
| | \$/ton | 199.07 | 165.68 | 195.73 | 224.02 | 126.10 | 196.13 |
| Soybeans: | | | | | | | |
| Level of production | Mil tons | 13.1 | 14.8 | 15.5 | 18.3 | 14.1 | 15.4 |
| Producer price | Cr \$/ton | 33030 | 79333 | 345000 | 880750 | 2161000 | 334528 |
| Value to producers | Mil cr \$ | 433849 | 1170167 | 5361645 | 16098348 | 30470100 | 5766002 |
| Policy transfers to producers: | | | | | | | |
| Research | Mil cr \$ | 2027 | 5161 | 9225 | 0 | 0 | 4103 |
| Subsidized credit: | Mil cr \$ | 148438 | 455090 | 1197846 | 3287821 | 16591000 | 1272299 |
| Production credit | Mil cr \$ | 86382 | 271554 | 1060746 | 2163431 | 15974000 | 895528 |
| Marketing credit | Mil cr \$ | 62056 | 183536 | 137100 | 1124390 | 617000 | 376771 |
| General economic policy: | Mil cr \$ | -140137 | -307792 | -1907412 | -2734865 | -8188000 | -1272552 |
| Domestic & export taxes | Mil cr \$ | -85108 | -372464 | -1580835 | -3398396 | -6058000 | -1359201 |
| Marketing interventions | Mil cr \$ | 67630 | 17526 | -178264 | -124125 | 2098000 | -54308 |
| Exchange rate adjustment | Mil cr \$ | -122659 | 47146 | -148313 | 787656 | -4228000 | 140958 |
| Total policy transfers | Mil cr \$ | 10328 | 152459 | -700341 | 552956 | 8403000 | 3851 |
| PSE (per unit value) | Percent | 2.4 | 13.0 | -13.1 | 3.4 | 27.6 | 0.1 |
| PSE (per unit quantity) | Cr \$/ton | 786 | 10336 | -45064 | 30253 | 595957 | -922 |
| | \$/ton | 3.66 | 19.88 | -27.19 | 5.28 | 43.06 | 0.41 |

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Brazil PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-85 ave |
|--------------------------------|-----------|--------|---------|----------|----------|----------|----------------|
| Poultry: | | | | | | | |
| Level of production | Mil tons | 1.5 | 1.5 | 1.4 | 1.5 | NA | 1.5 |
| Producer price | Cr \$/ton | 126266 | 356800 | 1255400 | 3670000 | NA | 1352117 |
| Value to producers | Mil cr \$ | 190283 | 531632 | 1707344 | 5468300 | NA | 1974390 |
| Policy transfers to producers: | | | | | | | |
| Research | Mil cr \$ | 115 | 292 | 522 | 0 | NA | 232 |
| Subsidized Credit: | Mil cr \$ | 24726 | 87036 | 79339 | 281790 | NA | 118223 |
| Production credit | Mil cr \$ | 14272 | 70559 | 57685 | 259419 | NA | 100484 |
| Investment credit (2 year) | Mil cr \$ | 2086 | 4055 | 5025 | 0 | NA | 2792 |
| Poultry flock credit | Mil cr \$ | 725 | 1439 | 1759 | 10717 | NA | 3660 |
| Marketing credit | Mil cr \$ | 7643 | 10983 | 14870 | 11654 | NA | 11288 |
| Input subsidies: | Mil cr \$ | 0 | 3338 | 0 | 0 | NA | 835 |
| CFP subsidy corn sales | Mil cr \$ | 0 | 3338 | 0 | 0 | NA | 835 |
| General economic policy: | Mil cr \$ | -873 | 4552 | 6543 | 5449 | NA | 3918 |
| Domestic & export taxes | Mil cr \$ | -2575 | -7200 | -23725 | -76857 | NA | -27589 |
| Quantitative restrictions | Mil cr \$ | 3744 | 11988 | 33397 | 104010 | NA | 38285 |
| Exchange rate adjustment | Mil cr \$ | -2042 | -236 | -3129 | -21704 | NA | -6778 |
| Total policy transfers | Mil cr \$ | 23968 | 95218 | 86404 | 287239 | NA | 123207 |
| PSE (per unit value) | Percent | 12.6 | 17.9 | 5.1 | 5.3 | NA | 6.2 |
| PSE (per unit quantity) | Cr \$/ton | 15904 | 63905 | 63532 | 192778 | NA | 84030 |
| | \$/ton | 74.06 | 127.24 | 37.42 | 33.65 | NA | 68.09 |
| Corn: | | | | | | | |
| Level of production | Mil tons | 21.8 | 18.7 | 21.2 | 22.0 | 21.0 | 20.9 |
| Producer price | Cr \$/ton | 16898 | 43944 | 151611 | 501333 | 1420000 | 178447 |
| Value to producers | Mil cr \$ | 369086 | 823115 | 3208695 | 11037849 | 29820000 | 3859686 |
| Policy transfers to producers: | | | | | | | |
| Research | Mil cr \$ | 1802 | 4589 | 8201 | 0 | 0 | 3648 |
| Subsidized credit: | Mil cr \$ | 124848 | 276160 | 604939 | 1881536 | 9333000 | 721871 |
| Production credit | Mil cr \$ | 109651 | 247669 | 555816 | 1497458 | 9178000 | 602649 |
| Marketing credit | Mil cr \$ | 15197 | 28491 | 49123 | 384078 | 155000 | 119222 |
| General economic policy: | Mil cr \$ | -65106 | -237935 | -1367185 | -606658 | 8119000 | -569221 |
| Domestic & export taxes | Mil cr \$ | -63565 | -254267 | -1019345 | -2882939 | -5077000 | -1055029 |
| Marketing intervention | Mil cr \$ | 89196 | -9054 | -229002 | 1894759 | 16433000 | 436475 |
| Exchange rate adjustment | Mil cr \$ | -90737 | 25386 | -118838 | 381522 | -3237000 | 49333 |
| Total policy transfers | Mil cr \$ | 61544 | 42814 | -754045 | 1274878 | 17452000 | 156298 |
| PSE (per unit value) | Percent | 16.7 | 5.2 | -23.5 | 11.6 | 58.5 | 4.0 |
| PSE (per unit quantity) | Cr \$/ton | 2818 | 2286 | -35629 | 57904 | 831048 | 6845 |
| | \$/ton | 13.12 | 4.55 | -20.98 | 10.11 | 60.05 | 1.70 |

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Brazil PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-85 ave |
|--------------------------------|-----------|--------|---------|---------|----------|----------|----------------|
| Rice: | | | | | | | |
| Level of production | Mil tons | 9.7 | 7.7 | 9.0 | 9.0 | 10.3 | 8.9 |
| Producer price | Cr \$/ton | 33322 | 64333 | 195556 | 779333 | 2447000 | 268136 |
| Value to producers | Mil cr \$ | 324390 | 498002 | 1764306 | 7028804 | 25204100 | 2403875 |
| Policy transfers to producers: | | | | | | | |
| Research | Mil cr \$ | 1147 | 2920 | 5219 | 0 | 0 | 2322 |
| Subsidized credit: | Mil cr \$ | 99256 | 256195 | 605738 | 2233756 | 9446000 | 798736 |
| Production credit | Mil cr \$ | 73414 | 174207 | 463017 | 1042593 | 8655000 | 438308 |
| Marketing credit | Mil cr \$ | 25842 | 81988 | 142721 | 1191163 | 791000 | 360429 |
| General economic policy: | Mil cr \$ | 28038 | 5704 | -9199 | 1702894 | 6746000 | 431859 |
| Domestic & export taxes | Mil cr \$ | -43816 | -92263 | -317088 | -964777 | -3096000 | -354486 |
| Marketing intervention | Mil cr \$ | 127106 | 69105 | 328838 | 2741287 | 11744000 | 816584 |
| Exchange rate adjustment | Mil cr \$ | -55252 | 28862 | -20949 | -73616 | -1902000 | -30239 |
| Total policy transfers | Mil cr \$ | 128441 | 264819 | 601758 | 3936650 | 16192000 | 1232917 |
| PSE (per unit value) | Percent | 39.6 | 53.2 | 34.1 | 56.0 | 64.2 | 51.3 |
| PSE (per unit quantity) | Cr \$/ton | 13194 | 34210 | 66699 | 436484 | 1572039 | 137647 |
| | \$/ton | 61.44 | 68.11 | 39.28 | 76.18 | 113.58 | 61.25 |
| Beef: | | | | | | | |
| Level of production | Mil tons | 2.4 | 2.4 | 2.3 | 2.4 | NA | 2.4 |
| Producer price | Cr \$/ton | 144811 | 302544 | 1310944 | 1648000 | NA | 851575 |
| Value to producers | Mil cr \$ | 347112 | 715518 | 3015172 | 3955200 | NA | 2008251 |
| Policy transfers to producers: | | | | | | | |
| Research | Mil cr \$ | 147 | 375 | 671 | 0 | NA | 298 |
| Subsidized Credit: | Mil cr \$ | 38955 | 100642 | 193711 | 625367 | NA | 239669 |
| Production credit | Mil cr \$ | 16775 | 54126 | 71866 | 544037 | NA | 171701 |
| Breeding herd cattle | Mil cr \$ | 8975 | 19447 | 37435 | 42756 | NA | 27153 |
| Feeder cattle credit | Mil cr \$ | 2694 | 4254 | 12332 | 37998 | NA | 14320 |
| Marketing credit | Mil cr \$ | 10511 | 22815 | 72078 | 576 | NA | 26495 |
| General economic policy: | Mil cr \$ | 1375 | -69358 | -630696 | -5924491 | NA | -1655793 |
| Domestic & export taxes | Mil cr \$ | -60800 | -165472 | -720029 | -1815254 | NA | -690389 |
| Quantitative restrictions | Mil cr \$ | 121108 | 88421 | 160748 | -3999133 | NA | -907214 |
| Exchange rate adjustment | Mil cr \$ | -58933 | 7693 | -71415 | -110104 | NA | -58190 |
| Total policy transfers | Mil cr \$ | 40477 | 31659 | -436314 | -5299124 | NA | -1415826 |
| PSE (per unit value) | Percent | 11.7 | 4.4 | -14.5 | -134.0 | NA | -33.1 |
| PSE (per unit quantity) | Cr \$/ton | 16887 | 13386 | -189702 | -2207968 | NA | -591849 |
| | \$/ton | 78.63 | 26.65 | -111.72 | -385.35 | NA | -97.95 |

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Brazil PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-85 ave |
|--------------------------------|-----------|---------|---------|----------|----------|----------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Research | Mil cr \$ | 5601 | 14262 | 25491 | 0 | NA | 11339 |
| Subsidized Credit: | Mil cr \$ | 502040 | 1353095 | 3133681 | 10892253 | NA | 3970267 |
| Production credit | Mil cr \$ | 366311 | 996087 | 2661238 | 8088921 | NA | 3028139 |
| Marketing credit | Mil cr \$ | 121249 | 327813 | 415892 | 2711861 | NA | 894204 |
| Breeding herd cattle | Mil cr \$ | 8975 | 19447 | 37435 | 42756 | NA | 27153 |
| Feeder cattle credit | Mil cr \$ | 2694 | 4254 | 12332 | 37998 | NA | 14320 |
| Investment credit (2 year) | Mil cr \$ | 2086 | 4055 | 5025 | 0 | NA | 2792 |
| Poultry flock credit | Mil cr \$ | 725 | 1439 | 1759 | 10717 | NA | 3660 |
| Input subsidies: | Mil cr \$ | 8485 | 38901 | 100299 | 749442 | NA | 224282 |
| CFP subsidy corn sales | Mil cr \$ | 0 | 3338 | 0 | 0 | NA | 835 |
| Freight subsidy | Mil cr \$ | 8485 | 35563 | 100299 | 749442 | NA | 223447 |
| General economic policy: | Mil cr \$ | -172323 | -644537 | -3830545 | -5369664 | NA | -2504267 |
| Exchange rate adjustment | Mil cr \$ | -344771 | 96872 | -412244 | 667213 | NA | 1768 |
| Domestic & export taxes | Mil cr \$ | -259272 | -910123 | -3706972 | -9461368 | NA | -3584434 |
| Quantitative restrictions | Mil cr \$ | 124852 | 100409 | 194145 | -3895123 | NA | -868929 |
| Marketing intervention | Mil cr \$ | 306868 | 68305 | 94526 | 7319614 | NA | 1947328 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil cr \$ | 79045 | 174752 | 631464 | 5519432 | 9773760 | 1601173 |
| Soybeans | Mil cr \$ | 10328 | 152459 | -700341 | 552956 | 8403000 | 3851 |
| Beef | Mil cr \$ | 40477 | 31659 | -436314 | -5299124 | NA | -1415826 |
| Poultry | Mil cr \$ | 23968 | 95218 | 86404 | 287239 | NA | 123207 |
| Corn | Mil cr \$ | 61544 | 42814 | -754045 | 1274878 | 17452000 | 156298 |
| Rice | Mil cr \$ | 128441 | 264819 | 601758 | 3936650 | 16192000 | 1232917 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | 77.2 | 55.2 | 63.2 | 63.5 | 52.3 | 63.4 |
| Soybeans | Percent | 2.4 | 13.0 | -13.1 | 3.4 | 27.6 | 0.1 |
| Beef | Percent | 11.7 | 4.4 | -14.5 | -134.0 | NA | -33.1 |
| Poultry | Percent | 12.6 | 17.9 | 5.1 | 5.3 | NA | 6.2 |
| Corn | Percent | 16.7 | 5.2 | -23.5 | 11.6 | 58.5 | 4.0 |
| Rice | Percent | 39.6 | 53.2 | 34.1 | 56.0 | 64.2 | 51.3 |
| Total policy transfers | Mil cr \$ | 343803 | 761721 | -571074 | 6272031 | NA | 1701620 |
| Value to producers | Mil cr \$ | 1767094 | 4055008 | 16055613 | 52277924 | NA | 18538910 |
| 6-commodity PSE | Percent | 19.5 | 18.8 | -3.6 | 12.0 | NA | 9.2 |

Note: Cr \$ = cruzeros

NA = data not available

CANADA
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-----------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Research, advisory | all PSE's | Federal Government expenditures | Budget data allocated by share of cash receipts (<u>20</u> , <u>21</u> , <u>29</u>) |
| Inspection services | all PSE's, except sugar | Federal Government expenditures | Budget data allocated by share of cash receipts (<u>20</u> , <u>21</u> , <u>29</u>) |
| Development structure | all PSE's | Federal Government expenditures | Budget data allocated by share of cash receipts (<u>20</u> , <u>21</u> , <u>28</u>) |
| Provincial programs | all PSE's | Provincial payments on various programs--lime and fertilizer subsidies, interest rebates | Budget data allocated by share of cash receipts (<u>7</u> , <u>22</u>) |
| Marketing/promotion | all PSE's, except sugar and dairy | Federal Government expenditures on marketing and trade promotion | Budget data allocated by share of cash receipts (<u>32</u>) |
| Fuel subsidy | all crop PSE's | Federal rebates on fuel taxes | Budget data allocated by share of cash receipts (<u>20</u> , <u>21</u> , <u>28</u>) |
| Export credits | wheat PSE, CSE | Federal payments to banks for loans made in early seventies to subsidize wheat sales to Brazil and Algeria | Budget data allocated to wheat (<u>20</u> , <u>21</u> , <u>28</u>) |
| ASA payments | corn PSE pork PSE soybeans PSE wheat PSE sugar PSE | Price support program that provides deficit-ency payments when market prices fall below support levels | Budget data (<u>7</u>) |
| WGSP | oats PSE wheat PSE barley PSE rapeseed PSE flaxseed PSE rye PSE | Joint Federal and producer program to support income when net cash-flow falls below a 5-year average | Budget data allocated based on cash receipts (<u>11</u>) |

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Canada: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Corn competitive price policy | wheat PSE, CSE barley PSE, CSE oats PSE | CWB required to sell feed grains at regulated price based on U.S. corn price at Montreal | Estimate based on difference between corn competitive price and adjusted export unit value (<u>13</u> , <u>17</u>) |
| CWB pool deficits | wheat PSE barley PSE oats PSE | Federal payments to the CWB when pools are in deficit | Federal payment entered for appropriate commodity (<u>13</u>) |
| Two-price wheat | wheat PSE, CSE | Fixed domestic price that may be above or below world price | Difference between domestic prices and export price multiplied by wheat used for food (<u>13</u> , <u>23</u>) |
| Import licenses | barley PSE oats PSE | Imports only allowed under license | Difference between domestic price and U.S. price multiplied by production (<u>10</u> , <u>29</u>) |
| Transportation subsidies | wheat PSE barley PSE oats PSE rye PSE rapeseed PSE flaxseed PSE | Federal expenditures to the railroads to offset low freight rates, for branch line rehabilitation | Budget data allocated based on cash receipts (<u>19</u> , <u>20</u> , <u>28</u>) |
| Feed freight adjustment | corn PSE | Federal grants to enhance local grain production | Budget data allocated to corn (<u>19</u> , <u>20</u> , <u>28</u>) |
| Feed freight assistance | beef PSE pork PSE poultry PSE dairy PSE | Federal payments that subsidize movement of feed grains to feed-deficit areas | Budget data allocated based on cash receipts (<u>19</u> , <u>20</u> , <u>28</u>) |
| Crop insurance | all crop PSE's | Federal and provincial governments subsidize insurance premiums and administrative costs | Government contributions based on share of cash receipts (<u>7</u>) |
| Other assistance | all PSE's, except poultry | Miscellaneous Federal expenditures (such as drought relief and interest rebates) | Budget data allocated by share of cash receipts (<u>19</u> , <u>20</u> , <u>28</u>) |

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Canada: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-----------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Tariff | beef PSE, CSE pork PSE, CSE sugar PSE, CSE corn PSE, CSE | Federal tariff on imports | Tariff rate multiplied by production for PSE or consumption for CSE (<u>8</u>) |
| Quota/price support | poultry PSE, CSE | Production and imports regulated by quotas; producer prices fixed by formula that includes all costs of production | Difference between U.S. and Canadian prices, multiplied by production (<u>2</u>) |
| CDC promotion, administration | dairy PSE | Advertising, promotion, and administrative expenditures | Budget data (<u>12</u>) |
| Producer levies | dairy PSE | Producer payments for disposal of surplus dairy products | Budget data (<u>12</u>) |
| Direct payments | dairy PSE | Federal payments to producers | Budget data (<u>12</u>) |
| Quota/price support for butter and skim milk powder | dairy PSE, CSE cheese CSE fluid milk CSE butter/SMP CSE | Producer prices supported at levels above world prices | Difference between New Zealand prices for butter, SMP multiplied by milk production (<u>5</u> , <u>12</u>) |
| Fluid milk premium | dairy PSE fluid milk CSE | Premium for fluid over manufacturing milk | Difference between manufacturing and fluid price times fluid production (<u>5</u> , <u>26</u>) |

CANADA
Unmeasured Policies

| Policy instrument | Reason for exclusion |
|-----------------------------------------------|-------------------------------------------------------------------------------|
| Meat Import Act for beef | Only in effect during 1985; insufficient data or method to determine impacts. |
| Health and sanitary regulations for livestock | Insufficient data and method to determine impact on price or imports |
| Farm Credit Corporation | Insufficient data to determine impact on production |
| Food aid and export credits | Insufficient method to determine impact on production or exports |
| General economic and tax policy | Insufficient data and method to determine impact on production |
| Countervailing duties | Insufficient data and method to determine impact on production |

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Canada PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|-------|--------|--------|--------|--------|----------------|
| Wheat: | | | | | | | |
| Level of production | Mil tons | 27 | 27 | 21 | 24 | 31 | 26 |
| Producer price | Can \$/ton | 180 | 181 | 172 | 147 | 117 | 159 |
| Value to producers | Mil Can \$ | 4835 | 4992 | 4140 | 4289 | 5162 | 4684 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil Can \$ | 24.6 | 189.8 | 484.9 | 733.0 | 1640.6 | 614.6 |
| ASA payments* | Mil Can \$ | 0.0 | 10.8 | 0.0 | 0.0 | 0.0 | 2.2 |
| WGSA* | Mil Can \$ | -38.8 | 108.1 | 327.8 | 516.3 | 850.5 | 352.8 |
| Crop insurance* | Mil Can \$ | 61.9 | 67.5 | 174.7 | 211.7 | 131.4 | 129.4 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 506.7 | 101.3 |
| CWB pool deficit | Mil Can \$ | 0.0 | 0.0 | 0.0 | 23.0 | 0.0 | 4.6 |
| Export credits | Mil Can \$ | 11.1 | 6.5 | 4.6 | 1.2 | 0.0 | 4.7 |
| Corn competitive | Mil Can \$ | -8.6 | 0.1 | -0.8 | 0.0 | 0.0 | -1.9 |
| Two-price wheat | Mil Can \$ | -1.0 | -3.2 | -21.4 | -19.2 | 152.0 | 21.4 |
| Input subsidies: | Mil Can \$ | 25.0 | 27.4 | 39.0 | 87.3 | 59.1 | 47.6 |
| Fuel subsidy | Mil Can \$ | 13.1 | 13.5 | 20.4 | 39.8 | 40.5 | 25.5 |
| Other financial assistance | Mil Can \$ | 11.9 | 13.9 | 18.6 | 47.5 | 18.6 | 22.1 |
| Marketing subsidies: | Mil Can \$ | 454.9 | 609.3 | 683.5 | 463.2 | 704.6 | 583.1 |
| Transportation | Mil Can \$ | 422.4 | 574.2 | 645.9 | 433.9 | 679.8 | 551.2 |
| Inspection services | Mil Can \$ | 29.6 | 31.7 | 32.1 | 26.7 | 22.3 | 28.5 |
| Marketing/promotion | Mil Can \$ | 2.9 | 3.4 | 5.5 | 2.6 | 2.5 | 3.4 |
| Long-term, structural: | Mil Can \$ | 76.7 | 88.9 | 96.6 | 61.9 | 58.4 | 76.5 |
| Research and advisory | Mil Can \$ | 51.5 | 61.3 | 59.6 | 46.7 | 43.6 | 52.5 |
| Development, structure | Mil Can \$ | 25.2 | 27.6 | 37.0 | 15.2 | 14.8 | 24.0 |
| Provincial programs: | Mil Can \$ | 100.5 | 92.5 | 109.9 | 106.9 | 112.8 | 104.5 |
| Total policy transfers | Mil Can \$ | 681.7 | 1007.9 | 1413.9 | 1452.3 | 2575.5 | 1426.3 |
| PSE (per unit value) | Percent | 14.1 | 20.2 | 34.2 | 33.9 | 49.9 | 30.4 |
| PSE (per unit quantity) | Can \$/ton | 25.5 | 38.0 | 66.7 | 59.8 | 82.0 | 54.4 |
| | \$/ton | 20.7 | 30.9 | 51.5 | 43.8 | 59.0 | 41.2 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|-------|-------|-------|-------|-------|----------------|
| Barley: | | | | | | | |
| Level of production | Mil tons | 14 | 10 | 10 | 12 | 15 | 12 |
| Producer price | Can \$/ton | 96 | 124 | 115 | 95 | 65 | 99 |
| Value to producers | Mil Can \$ | 1350 | 1300 | 1266 | 1336 | 1353 | 1321 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil Can \$ | 23.1 | 37.6 | 127.3 | 404.3 | 642.3 | 246.9 |
| WGSA* | Mil Can \$ | -8.7 | 23.4 | 54.0 | 113.8 | 229.5 | 82.4 |
| Crop insurance* | Mil Can \$ | 13.9 | 14.2 | 28.8 | 46.7 | 35.5 | 27.8 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 138.5 | 27.7 |
| CWB pool deficit | Mil Can \$ | 5.5 | 0.0 | 0.0 | 171.4 | 110.5 | 57.5 |
| Corn competitive | Mil Can \$ | 4.8 | 0.0 | -1.8 | 0.0 | 0.0 | 0.6 |
| Import licenses | Mil Can \$ | 7.6 | 0.0 | 46.3 | 72.4 | 128.3 | 50.9 |
| Input subsidies: | Mil Can \$ | 5.7 | 4.3 | 6.5 | 19.3 | 14.4 | 10.0 |
| Fuel subsidy | Mil Can \$ | 3.0 | 1.4 | 3.4 | 8.8 | 8.4 | 5.0 |
| Other financial assistance | Mil Can \$ | 2.7 | 2.9 | 3.1 | 10.5 | 6.0 | 5.0 |
| Marketing subsidies: | Mil Can \$ | 102.5 | 133.8 | 112.5 | 102.2 | 190.5 | 128.3 |
| Transportation | Mil Can \$ | 95.2 | 126.4 | 106.3 | 95.7 | 183.4 | 121.4 |
| Inspection services | Mil Can \$ | 6.7 | 6.7 | 5.3 | 5.9 | 6.4 | 6.2 |
| Marketing/promotion | Mil Can \$ | 0.6 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 |
| Long-term, structural: | Mil Can \$ | 17.3 | 19.0 | 15.9 | 13.6 | 15.1 | 16.2 |
| Research and advisory | Mil Can \$ | 11.6 | 13.1 | 9.8 | 10.3 | 11.2 | 11.2 |
| Development, structure | Mil Can \$ | 5.7 | 5.9 | 6.1 | 3.3 | 3.9 | 5.0 |
| Provincial programs | Mil Can \$ | 22.7 | 19.8 | 18.1 | 23.6 | 28.2 | 22.5 |
| Total policy transfers | Mil Can \$ | 171.3 | 214.5 | 280.3 | 563.0 | 890.5 | 423.9 |
| PSE (per unit value) | Percent | 12.7 | 16.5 | 22.1 | 42.1 | 65.8 | 32.1 |
| PSE (per unit quantity) | Can \$/ton | 12.2 | 21.0 | 27.2 | 45.4 | 61.0 | 33.4 |
| | \$/ton | 9.9 | 17.1 | 21.0 | 33.3 | 43.9 | 25.0 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|------|------|------|------|------|----------------|
| Oats: | | | | | | | |
| Level of production | Mil tons | 3.6 | 2.8 | 2.7 | 3.0 | 3.3 | 3.1 |
| Producer price | Can \$/ton | 83 | 90 | 94 | 83 | 58 | 82 |
| Value to producers | Mil Can \$ | 301 | 255 | 261 | 261 | 217 | 259 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil Can \$ | -1.7 | 2.4 | 7.7 | 19.9 | 25.4 | 10.7 |
| WGSA* | Mil Can \$ | -0.5 | 1.5 | 5.1 | 9.2 | 13.5 | 5.8 |
| Crop insurance* | Mil Can \$ | 0.8 | 0.9 | 2.7 | 3.8 | 3.6 | 2.4 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 1.7 |
| Corn competitive | Mil Can \$ | -2.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.4 |
| CWB pool deficit | Mil Can \$ | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 1.4 |
| Input subsidies: | Mil Can \$ | 0.4 | 0.4 | 0.6 | 1.5 | 2.5 | 1.1 |
| Fuel subsidy | Mil Can \$ | 0.2 | 0.2 | 0.3 | 0.7 | 1.5 | 0.6 |
| Other financial assistance | Mil Can \$ | 0.2 | 0.2 | 0.3 | 0.8 | 1.0 | 0.5 |
| Marketing subsidies: | Mil Can \$ | 6.1 | 8.2 | 10.7 | 8.3 | 11.9 | 9.0 |
| Transportation | Mil Can \$ | 5.7 | 7.8 | 10.1 | 7.8 | 10.8 | 8.4 |
| Inspection services | Mil Can \$ | 0.4 | 0.4 | 0.5 | 0.5 | 1.0 | 0.6 |
| Marketing/promotion | Mil Can \$ | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| Long-term structural: | Mil Can \$ | 1.0 | 1.2 | 1.5 | 1.1 | 3.4 | 1.6 |
| Research and advisory | Mil Can \$ | 0.7 | 0.8 | 0.9 | 0.8 | 2.2 | 1.1 |
| Development, structure | Mil Can \$ | 0.3 | 0.4 | 0.6 | 0.3 | 1.2 | 0.6 |
| Provincial programs | Mil Can \$ | 1.4 | 1.3 | 1.7 | 1.9 | 7.1 | 2.7 |
| Total policy transfers | Mil Can \$ | 7.2 | 13.5 | 22.2 | 32.7 | 50.3 | 25.2 |
| PSE (per unit value) | Percent | 2.4 | 5.3 | 8.5 | 12.6 | 23.2 | 9.7 |
| PSE (per unit quantity) | Can \$/ton | 2.0 | 4.8 | 8.2 | 10.9 | 15.2 | 8.2 |
| | \$/ton | 1.6 | 3.9 | 6.3 | 8.0 | 11.0 | 6.2 |
| Rye: | | | | | | | |
| Level of production | 1000 tons | 933 | 828 | 664 | 598 | 600 | 725 |
| Producer price | Can \$/ton | 86 | 110 | 89 | 80 | 63 | 86 |
| Value to producers | Mil Can \$ | 81 | 94 | 66 | 55 | 60 | 71 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Can \$/ton | 0.4 | 2.8 | 6.7 | 7.1 | 21.7 | 7.7 |
| WGSA* | Can \$/ton | -0.5 | 1.7 | 4.4 | 5.0 | 4.6 | 3.0 |
| Crop insurance* | Mil Can \$ | 0.9 | 1.1 | 2.3 | 2.1 | 3.6 | 2.0 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 | 2.7 |
| Input subsidies: | Mil Can \$ | 0.4 | 0.4 | 0.5 | 0.9 | 0.7 | 0.6 |
| Fuel subsidy | Mil Can \$ | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 |
| Other financial assistance | Mil Can \$ | 0.2 | 0.2 | 0.2 | 0.5 | 0.3 | 0.3 |
| Marketing subsidies: | Mil Can \$ | 6.4 | 9.6 | 9.1 | 4.5 | 11.2 | 8.2 |
| Transportation | Mil Can \$ | 6.0 | 9.0 | 8.6 | 4.2 | 10.8 | 7.7 |
| Inspection services | Mil Can \$ | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 |
| Marketing/promotion | Mil Can \$ | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| Long-term, structural: | Mil Can \$ | 1.1 | 1.4 | 1.3 | 0.6 | 0.6 | 1.0 |
| Research and advisory | Mil Can \$ | 0.7 | 1.0 | 0.8 | 0.5 | 0.5 | 0.7 |
| Development, structure | Mil Can \$ | 0.4 | 0.4 | 0.5 | 0.1 | 0.1 | 0.3 |
| Provincial programs | Mil Can \$ | 1.4 | 1.5 | 1.5 | 1.0 | 3.5 | 1.8 |
| Total policy transfers | Mil Can \$ | 9.7 | 15.7 | 19.1 | 14.3 | 37.9 | 19.3 |
| PSE (per unit value) | Percent | 12.0 | 16.7 | 29.0 | 25.9 | 63.6 | 27.2 |
| PSE (per unit quantity) | Can \$/ton | 10.4 | 19.0 | 28.8 | 23.8 | 63.1 | 29.0 |
| | \$/ton | 8.4 | 15.4 | 22.2 | 17.5 | 45.4 | 21.8 |

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Canada PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|--------|--------|--------|--------|--------|----------------|
| Corn: | | | | | | | |
| Level of production | Mil Can \$ | 6.5 | 5.9 | 7.0 | 7.5 | 5.9 | 6.6 |
| Producer price | Can \$/ton | 112 | 160 | 139 | 115 | 87 | 123 |
| Value to producers | Mil Can \$ | 731 | 950 | 987 | 867 | 606 | 828 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil Can \$ | 20.4 | 20.3 | 30.1 | 20.8 | 104.1 | 39.1 |
| ASA payments* | Mil Can \$ | 0.2 | 1.0 | 12.5 | 0.3 | 0.0 | 2.8 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 74.8 | 15.0 |
| Crop insurance* | Mil Can \$ | 3.0 | 4.7 | 1.2 | 4.0 | 17.7 | 6.1 |
| Tariff | Mil Can \$ | 17.2 | 14.6 | 16.4 | 16.5 | 11.6 | 15.3 |
| Input subsidies: | Mil Can \$ | 4.3 | 2.9 | 3.8 | 12.2 | 1.5 | 4.9 |
| Fuel subsidy | Mil Can \$ | 0.6 | 0.9 | 1.3 | 3.3 | 0.5 | 1.3 |
| Feed freight | Mil Can \$ | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| Other financial assistance | Mil Can \$ | 1.2 | 2.0 | 2.5 | 8.9 | 1.0 | 3.1 |
| Marketing subsidies: | Mil Can \$ | 11.6 | 17.8 | 17.4 | 20.1 | 5.3 | 14.4 |
| Inspection services | Mil Can \$ | 11.3 | 17.3 | 16.7 | 19.6 | 5.0 | 14.0 |
| Marketing/promotion | Mil Can \$ | 0.3 | 0.5 | 0.7 | 0.5 | 0.3 | 0.5 |
| Long-term, structural: | Mil Can \$ | 7.9 | 12.5 | 13.1 | 11.5 | 4.8 | 10.0 |
| Research and advisory | Mil Can \$ | 5.3 | 8.6 | 8.1 | 8.7 | 3.8 | 6.9 |
| Development, structure | Mil Can \$ | 2.6 | 3.9 | 5.0 | 2.8 | 1.0 | 3.1 |
| Provincial programs | Mil Can \$ | 10.4 | 13.0 | 14.9 | 20.0 | 14.1 | 14.5 |
| Total policy transfers | Mil Can \$ | 54.6 | 66.5 | 79.3 | 84.6 | 129.8 | 83.0 |
| PSE (per unit value) | Percent | 7.5 | 7.0 | 8.0 | 9.8 | 21.4 | 10.0 |
| PSE (per unit quantity) | Can \$/ton | 8.4 | 11.3 | 11.3 | 11.3 | 22.0 | 12.9 |
| | \$/ton | 6.8 | 9.1 | 8.7 | 8.3 | 15.8 | 9.8 |
| Rapeseed: | | | | | | | |
| Level of production | Mil Can \$ | 2.2 | 2.6 | 3.4 | 3.5 | 3.8 | 3.1 |
| Producer price | Can \$/ton | 271 | 382 | 351 | 264 | 199 | 293 |
| Value to producers | Mil Can \$ | 600 | 1024 | 1306 | 1139 | 1127 | 1039 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil Can \$ | 3.4 | 30.4 | 112.1 | 214.5 | 370.5 | 146.2 |
| WGSA* | Mil Can \$ | -5.8 | 18.7 | 73.1 | 152.1 | 216.0 | 90.8 |
| Crop insurance* | Mil Can \$ | 9.2 | 11.7 | 39.0 | 62.4 | 29.0 | 30.3 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 125.5 | 25.1 |
| Input subsidies: | Mil Can \$ | 2.8 | 3.5 | 6.5 | 18 | 15 | 9.2 |
| Fuel subsidy | Mil Can \$ | 2.0 | 2.3 | 4.5 | 11.7 | 10.0 | 6.1 |
| Other financial assistance | Mil Can \$ | 0.8 | 1.2 | 2.0 | 6.3 | 5.0 | 3.1 |
| Marketing subsidies: | Mil Can \$ | 72.4 | 107.2 | 152.5 | 136.5 | 179.3 | 129.6 |
| Transportation | Mil Can \$ | 64.6 | 101.1 | 144.1 | 127.8 | 172.6 | 122.0 |
| Inspection services | Mil Can \$ | 4.4 | 5.5 | 7.2 | 7.9 | 6.0 | 6.2 |
| Marketing/promotion | Mil Can \$ | 3.4 | 0.6 | 1.2 | 0.8 | 0.7 | 1.3 |
| Long-term structural: | Mil Can \$ | 11.4 | 15.4 | 21.5 | 18.3 | 16.7 | 16.7 |
| Research and advisory | Mil Can \$ | 7.7 | 10.6 | 13.3 | 13.8 | 12.2 | 11.5 |
| Development, structure | Mil Can \$ | 3.7 | 4.8 | 8.2 | 4.5 | 4.5 | 5.1 |
| Provincial programs | Mil Can \$ | 15.0 | 16.0 | 24.5 | 31.5 | 28.2 | 23.0 |
| Total policy transfers | Mil Can \$ | 105.00 | 172.50 | 317.10 | 418.80 | 609.70 | 324.6 |
| PSE (per unit value) | Percent | 17.5 | 16.9 | 24.3 | 36.8 | 54.1 | 29.9 |
| PSE (per unit quantity) | Can \$/ton | 47.73 | 66.35 | 93.26 | 119.66 | 160.45 | 97.5 |
| | \$/ton | 38.7 | 53.8 | 72.0 | 87.6 | 115.4 | 73.5 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-------------|-------|-------|-------|-------|-------|----------------|
| Flaxseed: | | | | | | | |
| Level of production | 1000 tons | 752 | 444 | 694 | 902 | 1000 | 758 |
| Producer price | Can \$/ton | 245 | 323 | 316 | 263 | 171 | 264 |
| Value to producers | Mil Can \$ | 185 | 149 | 234 | 271 | 246 | 217 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil Can \$ | 1.0 | 5.7 | 14.6 | 33.8 | 75.2 | 26.1 |
| WGSA* | Mil Can \$ | -0.8 | 3.0 | 8.1 | 20.4 | 40.5 | 14.2 |
| Crop insurance* | Mil Can \$ | 1.8 | 2.7 | 6.5 | 13.4 | 10.7 | 7.0 |
| SCGP* | Mil Can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 24.0 | 4.8 |
| Input subsidies: | Mil Can \$ | 0.7 | 1.1 | 1.5 | 5.5 | 1.7 | 2.1 |
| Fuel subsidy | Mil Can \$ | 0.4 | 0.5 | 0.8 | 2.5 | 1.0 | 1.0 |
| Other financial assistance | Mil Can \$ | 0.3 | 0.6 | 0.7 | 3.0 | 0.7 | 1.1 |
| Marketing subsidies: | Mil Can \$ | 9.1 | 17.2 | 17.4 | 19.1 | 33.4 | 19.2 |
| Transportation | Mil Can \$ | 8.2 | 15.8 | 16.0 | 17.2 | 32.4 | 17.9 |
| Inspection services | Mil Can \$ | 0.8 | 1.3 | 1.2 | 1.7 | 0.9 | 1.2 |
| Marketing/promotion | Mil Can \$ | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 |
| Long-term, structural: | Mil Can \$ | 2.2 | 3.5 | 3.6 | 3.9 | 2.1 | 3.1 |
| Research and advisory | Mil Can \$ | 1.5 | 2.4 | 2.2 | 2.9 | 1.5 | 2.1 |
| Development, structure | Mil Can \$ | 0.7 | 1.1 | 1.4 | 1.0 | 0.6 | 1.0 |
| Provincial programs | Mil Can \$ | 2.8 | 3.7 | 4.1 | 6.7 | 7.1 | 4.9 |
| Total policy transfers | Mil Can \$ | 15.8 | 31.2 | 41.2 | 69.0 | 119.5 | 55.3 |
| PSE (per unit value) | Percent | 8.5 | 20.9 | 17.6 | 25.5 | 48.5 | 25.5 |
| PSE (per unit quantity) | Can \$/ton | 21.0 | 70.3 | 59.4 | 76.5 | 119.5 | 69.3 |
| | \$/ton | 17.0 | 57.0 | 45.8 | 56.0 | 86.0 | 52.4 |
| Pork: | | | | | | | |
| Level of production | | | | | | | |
| carcasses | 1000 tons | 833 | 852 | 863 | 900 | 908 | 871 |
| live exports | 1000 head | 305 | 459 | 1347 | 1013 | 403 | 705 |
| Producer price | | | | | | | |
| carcasses | Can \$/ton | 1820 | 1545 | 1584 | 1494 | 1792 | 1647 |
| live exports | Can \$/head | 182 | 154 | 158 | 149 | 179 | 164 |
| Value to producers | Mil can \$ | 1572 | 1387 | 1637 | 1511 | 1699 | 1561 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil can \$ | 9.7 | 9.4 | 66.1 | 24.8 | 10.0 | 24.0 |
| ASA payments* | Mil can \$ | 0.5 | 0.0 | 56.6 | 14.9 | 0.0 | 14.4 |
| Tariff | Mil can \$ | 9.2 | 9.4 | 9.5 | 9.9 | 10.0 | 9.6 |
| Input subsidies: | Mil can \$ | 3.2 | 3.2 | 8.8 | 14.3 | 12.7 | 8.4 |
| Feed freight | Mil can \$ | 3.2 | 3.2 | 3.6 | 2.8 | 3.4 | 3.2 |
| Other financial assistance | Mil can \$ | 0.0 | 0.0 | 5.2 | 11.5 | 9.3 | 5.2 |
| Marketing subsidies: | Mil can \$ | 38.6 | 37.1 | 42.0 | 46.3 | 55.7 | 43.9 |
| Inspection services | Mil can \$ | 37.2 | 35.8 | 39.6 | 44.9 | 53.5 | 42.2 |
| Marketing/promotion | Mil can \$ | 1.4 | 1.3 | 2.4 | 1.4 | 2.2 | 1.7 |
| Long-term, structural: | Mil can \$ | 36.5 | 35.4 | 42.0 | 33.4 | 51.3 | 39.7 |
| Research and advisory | Mil can \$ | 24.5 | 24.4 | 25.9 | 25.2 | 36.5 | 27.3 |
| Development, structure | Mil can \$ | 12.0 | 11.0 | 16.1 | 8.2 | 14.8 | 12.4 |
| Provincial programs | Mil can \$ | 47.8 | 36.8 | 47.8 | 57.6 | 70.5 | 52.1 |
| Total policy transfers | Mil can \$ | 135.8 | 121.9 | 206.7 | 176.4 | 200.2 | 168.2 |
| PSE (per unit value) | Percent | 8.6 | 8.8 | 12.6 | 11.7 | 11.8 | 10.7 |
| PSE (per unit quantity) | Can \$/ton | 163.0 | 143.1 | 239.5 | 195.9 | 220.5 | 192.4 |
| | \$/ton | 132.1 | 116.1 | 184.9 | 143.5 | 158.6 | 147.1 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|-------|-------|-------|-------|-------|----------------|
| Poultry: | | | | | | | |
| Level of production | 1000 tons | 527 | 527 | 559 | 608 | 629 | 570 |
| Producer price | Can \$/ton | 1498 | 1493 | 1627 | 1501 | 1507 | 1525 |
| Value to producers | Mil can \$ | 789 | 787 | 909 | 913 | 948 | 869 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil can \$ | 184.0 | 145.4 | 88.2 | 38.6 | -56.7 | 79.9 |
| Quota/price support | Mil can \$ | 184.0 | 145.4 | 88.2 | 38.6 | -56.7 | 79.9 |
| Input subsidies: | Mil can \$ | 1.3 | 1.4 | 1.7 | 1.4 | 2.0 | 1.6 |
| Feed freight | Mil can \$ | 1.3 | 1.4 | 1.7 | 1.4 | 2.0 | 1.6 |
| Marketing subsidies: | Mil can \$ | 15.2 | 16.6 | 19.8 | 22.9 | 28.1 | 20.5 |
| Inspection services | Mil can \$ | 14.7 | 16.0 | 18.7 | 22.2 | 27.1 | 19.7 |
| Marketing/promotion | Mil can \$ | 0.5 | 0.6 | 1.1 | 0.7 | 1.0 | 0.8 |
| Long-term, structural: | Mil can \$ | 14.5 | 15.8 | 19.8 | 16.4 | 26.6 | 18.6 |
| Research and advisory | Mil can \$ | 9.7 | 10.9 | 12.2 | 12.4 | 18.1 | 12.7 |
| Development, structure | Mil can \$ | 4.8 | 4.9 | 7.6 | 4.0 | 8.5 | 6.0 |
| Provincial programs | Mil can \$ | 19.0 | 16.5 | 22.5 | 28.5 | 35.3 | 24.4 |
| Total policy transfers | Mil can \$ | 234.0 | 195.7 | 152.0 | 107.8 | 35.3 | 145.0 |
| PSE (per unit value) | Percent | 29.6 | 24.9 | 16.7 | 11.8 | 3.7 | 16.7 |
| PSE (per unit quantity) | Can \$/ton | 444.0 | 371.3 | 271.9 | 177.3 | 56.1 | 264.1 |
| | \$/ton | 359.9 | 301.3 | 210.0 | 129.8 | 40.4 | 208.3 |
| Sugar beets: | | | | | | | |
| Level of production | 1000 tons | 1041 | 1167 | 932 | 400 | 900 | 888 |
| Producer price | Can \$/ton | 40 | 34 | 29 | 22 | 22 | 29 |
| Value to producers | Mil can \$ | 42 | 46 | 39 | 16 | 32 | 35 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil can \$ | 1.4 | 7.3 | 12.1 | 3.7 | 12.4 | 7.4 |
| ASA payments* | Mil can \$ | 0.0 | 5.9 | 10.2 | 2.4 | 11.8 | 6.1 |
| Crop insurance* | Mil can \$ | 0.5 | 0.7 | 1.3 | 0.8 | 0.0 | 0.7 |
| Tariff | Mil can \$ | 0.9 | 0.7 | 0.6 | 0.5 | 0.6 | 0.7 |
| Input subsidies: | Mil can \$ | 0.2 | 0.2 | 0.3 | 8.4 | 2.1 | 2.2 |
| Fuel subsidy | Mil can \$ | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 |
| Direct financial assistance* | Mil can \$ | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.9 |
| Other financial assistance | Mil can \$ | 0.1 | 0.1 | 0.1 | 3.9 | 1.8 | 1.2 |
| Marketing subsidies: | Mil can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Inspection services | Mil can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Long-term, structural: | Mil can \$ | 0.6 | 0.9 | 0.7 | 0.3 | 0.2 | 0.5 |
| Research and advisory | Mil can \$ | 0.4 | 0.6 | 0.4 | 0.2 | 0.1 | 0.3 |
| Development, structure | Mil can \$ | 0.2 | 0.3 | 0.3 | 0.1 | 0.1 | 0.2 |
| Provincial programs | Mil can \$ | 0.8 | 1.0 | 2.5 | 4.7 | 0.7 | 1.9 |
| Total policy transfers | Mil can \$ | 3.0 | 9.4 | 15.6 | 17.1 | 15.4 | 12.1 |
| PSE (per unit value) | Percent | 7.1 | 20.4 | 40.1 | 105.3 | 48.7 | 34.6 |
| PSE (per unit quantity) | Can \$/ton | 2.9 | 8.1 | 16.7 | 42.7 | 17.1 | 17.5 |
| | \$/ton | 2.3 | 6.5 | 12.9 | 31.3 | 12.3 | 13.1 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|--------|--------|--------|--------|--------|----------------|
| Dairy: | | | | | | | |
| Level of production | | | | | | | |
| manufacturing | Mil tons | 5.0 | 4.9 | 4.9 | 4.7 | 4.9 | 4.9 |
| fluid milk | Mil tons | 2.7 | 2.7 | 2.7 | 2.6 | 2.7 | 2.7 |
| Producer price | | | | | | | |
| manufacturing | Can \$/ton | 356 | 379 | 390 | 400 | 413 | 388 |
| fluid milk | Can \$/ton | 461 | 480 | 505 | 523 | 525 | 499 |
| Value to producers | Mil can \$ | 3023 | 3153 | 3275 | 3242 | 3441 | 3227 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil can \$ | 1805.2 | 2249.3 | 2529.8 | 2756.0 | 2811.5 | 2430.4 |
| Direct payments | Mil can \$ | 295.0 | 347.6 | 326.5 | 301.0 | 300.0 | 314.0 |
| Quota/price support | Mil can \$ | 1229.2 | 1628.9 | 1891.2 | 2111.7 | 2200.0 | 1812.2 |
| Butter support | Mil can \$ | 522.5 | 693.7 | 858.6 | 1081.3 | 1141.3 | 859.5 |
| Skim milk powder support | Mil can \$ | 706.7 | 935.2 | 1032.6 | 1030.4 | 1058.7 | 952.7 |
| Fluid milk premium | Mil can \$ | 281.0 | 272.8 | 312.1 | 343.3 | 311.5 | 304.1 |
| Input subsidies: | Mil can \$ | 4.6 | 5.1 | 14.0 | 21.4 | 22.7 | 13.6 |
| Feed freight | Mil can \$ | 4.6 | 5.1 | 5.7 | 4.2 | 5.0 | 4.9 |
| Other financial assistance | Mil can \$ | 0.0 | 0.0 | 8.3 | 17.2 | 17.7 | 8.6 |
| Marketing subsidies: | Mil can \$ | -211.8 | -176.2 | -215.8 | -207.3 | -205.5 | -203.3 |
| CDC administration | Mil can \$ | 5.1 | 7.0 | 3.7 | 5.1 | 5.0 | 5.2 |
| Producer levies | Mil can \$ | -270.8 | -240.3 | -282.2 | -279.3 | -280.0 | -270.5 |
| Inspection services | Mil can \$ | 53.9 | 57.1 | 62.7 | 66.9 | 69.5 | 62.0 |
| Long-term, structural: | Mil can \$ | 52.9 | 56.3 | 66.5 | 49.7 | 69.2 | 58.9 |
| Research and advisory | Mil can \$ | 35.5 | 38.8 | 41.0 | 37.5 | 49.2 | 40.4 |
| Development, structure | Mil can \$ | 17.4 | 17.5 | 25.5 | 12.2 | 20.0 | 18.5 |
| Provincial programs | Mil can \$ | 69.3 | 58.6 | 75.6 | 85.8 | 98.7 | 77.6 |
| Total policy transfers | Mil can \$ | 1720.2 | 2193.1 | 2470.1 | 2705.6 | 2796.6 | 2377.1 |
| PSE (per unit value) | Percent | 56.9 | 69.6 | 75.4 | 83.5 | 81.3 | 73.7 |
| PSE (per unit quantity) | Can \$/ton | 223.4 | 288.6 | 325.0 | 370.6 | 368.0 | 315.1 |
| | \$/ton | 181.1 | 234.1 | 251.0 | 271.4 | 264.8 | 240.5 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-------------|-------|-------|-------|-------|-------|----------------|
| Soybeans: | | | | | | | |
| Level of production | 1000 tons | 848 | 735 | 944 | 1048 | 1000 | 915 |
| Producer price | Can \$/ton | 250 | 346 | 272 | 242 | 227 | 267 |
| Value to producers | Mil can \$ | 217 | 269 | 265 | 269 | 278 | 260 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil can \$ | 4.7 | 14.8 | 8.7 | 15.8 | 51.3 | 19.1 |
| ASA payments* | Mil can \$ | 1.6 | 10.9 | 0.2 | 0.0 | 0.0 | 2.5 |
| Crop insurance* | Mil can \$ | 3.1 | 3.9 | 8.5 | 15.8 | 10.7 | 8.4 |
| SCGP* | Mil can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 40.6 | 8.1 |
| Input subsidies: | Mil can \$ | 1.2 | 1.6 | 1.9 | 6.6 | 5.6 | 3.4 |
| Fuel subsidy | Mil can \$ | 0.6 | 0.8 | 1.0 | 3.0 | 3.7 | 1.8 |
| Other financial assistance | Mil can \$ | 0.6 | 0.8 | 0.9 | 3.6 | 1.9 | 1.6 |
| Marketing subsidies: | Mil can \$ | 1.6 | 2.0 | 1.9 | 2.2 | 2.4 | 2.0 |
| Inspection services | Mil can \$ | 1.5 | 1.8 | 1.6 | 2.0 | 2.2 | 1.8 |
| Marketing/promotion | Mil can \$ | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 |
| Long-term, structural: | Mil can \$ | 3.7 | 5.2 | 4.7 | 4.6 | 4.2 | 4.5 |
| Research and advisory | Mil can \$ | 2.5 | 3.6 | 2.9 | 3.5 | 3.0 | 3.1 |
| Development, structure | Mil can \$ | 1.2 | 1.6 | 1.8 | 1.1 | 1.2 | 1.4 |
| Provincial programs | Mil can \$ | 5.0 | 5.4 | 5.4 | 8.0 | 7.1 | 6.2 |
| Total policy transfers | Mil can \$ | 16.2 | 29.0 | 22.6 | 37.2 | 70.6 | 35.1 |
| PSE (per unit value) | Percent | 7.5 | 10.8 | 8.5 | 13.8 | 25.4 | 13.5 |
| PSE (per unit quantity) | Can \$/ton | 19.1 | 39.5 | 23.9 | 35.5 | 70.6 | 37.7 |
| | \$/ton | 15.5 | 32.0 | 18.5 | 26.0 | 50.8 | 28.6 |
| Beef and veal: | | | | | | | |
| Level of production | | | | | | | |
| carcasses | 1000 tons | 1032 | 1036 | 997 | 1035 | 1040 | 1028 |
| live export | 1000 head | 283 | 222 | 284 | 286 | 181 | 251 |
| Producer price | | | | | | | |
| carcasses | Can \$/ton | 2800 | 2737 | 2909 | 2842 | 2800 | 2818 |
| live export | Can \$/head | 635 | 654 | 700 | 720 | 739 | 690 |
| Value to producers | Mil can \$ | 3069 | 2980 | 3099 | 3147 | 3046 | 3068 |
| Policy transfers to producers: | | | | | | | |
| Income/price support: | Mil can \$ | 45.5 | 45.7 | 44.0 | 55.3 | 49.0 | 47.9 |
| ASA payments | Mil can \$ | 0.0 | 0.0 | 0.0 | 9.7 | 3.1 | 2.6 |
| Tariff | Mil can \$ | 45.5 | 45.7 | 44.0 | 45.6 | 45.9 | 45.3 |
| Input subsidies: | Mil can \$ | 5.7 | 6.3 | 16.6 | 28.3 | 12.4 | 13.9 |
| Feed freight | Mil can \$ | 5.7 | 6.3 | 6.8 | 5.6 | 5.0 | 5.9 |
| Other financial assistance | Mil can \$ | 0.0 | 0.0 | 9.8 | 22.7 | 7.4 | 8.0 |
| Marketing subsidies: | Mil can \$ | 69.1 | 74.1 | 79.2 | 91.1 | 72.0 | 77.1 |
| Inspection services | Mil can \$ | 66.6 | 71.4 | 74.7 | 88.4 | 70.0 | 74.2 |
| Marketing/promotion | Mil can \$ | 2.5 | 2.7 | 4.5 | 2.7 | 2.0 | 2.9 |
| Long-term, structural: | Mil can \$ | 65.4 | 70.5 | 79.1 | 65.6 | 60.0 | 68.1 |
| Research and advisory | Mil can \$ | 43.9 | 48.6 | 48.8 | 49.5 | 40.0 | 46.2 |
| Development, structure | Mil can \$ | 21.5 | 21.9 | 30.3 | 16.1 | 20.0 | 22.0 |
| Provincial programs | Mil can \$ | 85.7 | 73.3 | 90.0 | 113.4 | 126.9 | 97.9 |
| Total policy transfers | Mil can \$ | 271.4 | 269.9 | 308.9 | 353.7 | 320.3 | 304.8 |
| PSE (per unit value) | Percent | 8.8 | 9.1 | 10.0 | 11.2 | 10.5 | 9.9 |
| PSE (per unit quantity) | Can \$/ton | 263.0 | 260.5 | 309.8 | 341.7 | 308.0 | 296.6 |
| | \$/ton | 213.2 | 211.4 | 239.2 | 250.3 | 221.6 | 227.1 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|-----------------------------|------------|--------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Income/price support: | Mil can \$ | 3350.9 | 4389.8 | 5423.5 | 6439.3 | 7957.3 | 5512.2 |
| ASA payments | Mil can \$ | 2.3 | 28.6 | 79.5 | 27.3 | 14.9 | 30.5 |
| WGSA | Mil can \$ | -55.1 | 156.4 | 472.5 | 816.8 | 1354.6 | 549.0 |
| Crop insurance | Mil can \$ | 95.1 | 107.4 | 265.0 | 360.7 | 242.2 | 214.1 |
| SCGP | Mil can \$ | 0.0 | 0.0 | 0.0 | 0.0 | 931.9 | 186.4 |
| CWB pool deficit | Mil can \$ | 5.5 | 0.0 | 0.0 | 201.3 | 110.5 | 63.5 |
| Export credits | Mil can \$ | 11.1 | 6.5 | 4.6 | 1.2 | 0.0 | 4.7 |
| Corn competitive | Mil can \$ | -5.8 | 0.1 | -2.7 | 0.0 | 0.0 | -1.7 |
| Two-price wheat | Mil can \$ | -1.0 | -3.2 | -21.4 | -19.2 | 152.0 | 21.4 |
| Tariff | Mil can \$ | 72.8 | 70.4 | 70.5 | 72.5 | 68.1 | 70.9 |
| Quota/price support | Mil can \$ | 1413.2 | 1774.3 | 1979.4 | 2150.3 | 2143.3 | 1892.1 |
| Direct payments | Mil can \$ | 295.0 | 347.6 | 326.5 | 301.0 | 300.0 | 314.0 |
| Butter support | Mil can \$ | 522.5 | 693.7 | 858.6 | 1081.3 | 1141.3 | 859.5 |
| Skim milk powder support | Mil can \$ | 706.7 | 935.2 | 1032.6 | 1030.4 | 1058.7 | 952.7 |
| Fluid milk premium | Mil can \$ | 281.0 | 272.8 | 312.1 | 343.3 | 311.5 | 304.1 |
| Import licenses | Mil can \$ | 7.6 | 0 | 46.3 | 72.4 | 128.3 | 50.92 |
| Input subsidies: | Mil can \$ | 55.5 | 57.8 | 101.7 | 225.1 | 152.4 | 118.5 |
| Fuel subsidy | Mil can \$ | 20.2 | 19.9 | 32.2 | 70.4 | 66.3 | 41.8 |
| Direct financial assistance | Mil can \$ | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.9 |
| Other financial assistance | Mil can \$ | 18.0 | 21.9 | 51.7 | 136.4 | 70.7 | 59.7 |
| Feed freight | Mil can \$ | 17.3 | 16.0 | 17.8 | 14.0 | 15.4 | 16.1 |
| Marketing subsidies: | Mil can \$ | 575.7 | 856.7 | 930.2 | 709.1 | 1088.9 | 832.1 |
| Transportation | Mil can \$ | 602.1 | 834.3 | 931.0 | 686.6 | 1089.8 | 828.8 |
| Inspection services | Mil can \$ | 227.5 | 245.5 | 260.7 | 287.0 | 264.2 | 257.0 |
| Marketing/promotion | Mil can \$ | 11.8 | 10.2 | 17.0 | 9.7 | 9.9 | 11.7 |
| CDC administration | Mil can \$ | 5.1 | 7.0 | 3.7 | 5.1 | 5.0 | 5.2 |
| Producer levies | Mil can \$ | -270.8 | -240.3 | -282.2 | -279.3 | -280.0 | -270.5 |
| Long-term, structural: | Mil can \$ | 291.2 | 326.0 | 366.3 | 280.9 | 312.6 | 315.4 |
| Research and advisory | Mil can \$ | 195.5 | 224.7 | 225.9 | 212.0 | 221.9 | 216.0 |
| Development, structure | Mil can \$ | 95.7 | 101.3 | 140.4 | 68.9 | 90.7 | 99.4 |
| Provincial programs | Mil can \$ | 381.8 | 339.4 | 418.5 | 489.6 | 540.2 | 433.9 |

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Canada PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|---------|---------|---------|---------|---------|----------------|
| Summary (continued): | | | | | | | |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil can \$ | 681.7 | 1007.9 | 1413.9 | 1452.3 | 2575.5 | 1426.3 |
| Barley | Mil can \$ | 171.3 | 214.5 | 280.3 | 563.0 | 890.5 | 423.9 |
| Oats | Mil can \$ | 7.2 | 13.5 | 22.2 | 32.7 | 50.3 | 25.2 |
| Rye | Mil can \$ | 9.7 | 15.7 | 19.1 | 14.3 | 37.9 | 19.3 |
| Corn | Mil can \$ | 54.6 | 66.5 | 79.3 | 84.6 | 129.8 | 83.0 |
| Rapeseed | Mil can \$ | 105.0 | 172.5 | 317.1 | 418.8 | 609.7 | 324.6 |
| Flaxseed | Mil can \$ | 15.8 | 31.2 | 41.2 | 69.0 | 119.5 | 55.3 |
| Pork | Mil can \$ | 135.8 | 121.9 | 206.7 | 176.4 | 200.2 | 168.2 |
| Poultry | Mil can \$ | 234.0 | 195.7 | 152.0 | 107.8 | 35.3 | 145.0 |
| Sugar | Mil can \$ | 3.0 | 9.4 | 15.6 | 17.1 | 15.4 | 12.1 |
| Dairy | Mil can \$ | 1720.2 | 2193.1 | 2470.1 | 2705.6 | 2796.6 | 2377.1 |
| Soybeans | Mil can \$ | 16.2 | 29.0 | 22.6 | 37.2 | 70.6 | 35.1 |
| Beef and veal | Mil can \$ | 271.4 | 269.9 | 308.9 | 353.7 | 320.3 | 304.8 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | 14.1 | 20.2 | 34.2 | 33.9 | 49.9 | 30.4 |
| Barley | Percent | 12.7 | 16.5 | 22.1 | 42.1 | 65.8 | 32.1 |
| Oats | Percent | 2.4 | 5.3 | 8.5 | 12.6 | 23.2 | 9.7 |
| Rye | Percent | 12.0 | 16.7 | 29.0 | 25.9 | 63.6 | 27.2 |
| Corn | Percent | 7.5 | 7.0 | 8.0 | 9.8 | 21.4 | 10.0 |
| Rapeseed | Percent | 17.5 | 16.9 | 24.3 | 36.8 | 54.1 | 29.9 |
| Flaxseed | Percent | 8.5 | 20.9 | 17.6 | 25.5 | 48.5 | 25.5 |
| Pork | Percent | 8.6 | 8.8 | 12.6 | 11.7 | 11.8 | 10.7 |
| Poultry | Percent | 29.6 | 24.9 | 16.7 | 11.8 | 3.7 | 16.7 |
| Sugar | Percent | 7.1 | 20.4 | 40.1 | 105.3 | 48.7 | 34.6 |
| Dairy | Percent | 56.9 | 69.6 | 75.4 | 83.5 | 81.3 | 73.7 |
| Soybeans | Percent | 7.5 | 10.8 | 8.5 | 13.8 | 25.4 | 13.5 |
| Beef and veal | Percent | 8.8 | 9.1 | 10.0 | 11.2 | 10.5 | 9.9 |
| Total policy transfers | Mil can \$ | 3425.9 | 4340.8 | 5349.0 | 6032.5 | 7851.6 | 5399.9 |
| Value to producers | Mil can \$ | 16795.1 | 17386.3 | 17482.6 | 17315.2 | 18214.0 | 17438.6 |
| 13-commodity PSE | Percent | 20.4 | 25.0 | 30.6 | 34.8 | 43.1 | 31.0 |

Note: Can \$ = Canadian dollars

* Payment to producers in addition to price received.

Canada's CSE

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|-------|-------|-------|-------|--------|----------------|
| Wheat: | | | | | | | |
| Level of consumption | Mil tons | 3.8 | 4.3 | 4.0 | 4.2 | 5.0 | 4.26 |
| Wholesale price | Can \$/ton | 167 | 177 | 183 | 177 | 153 | 171 |
| Cost to consumers | Mil can \$ | 635 | 761 | 732 | 743 | 765 | 727 |
| Policy transfers to consumers: | | | | | | | |
| Two-price wheat | Mil can \$ | 1.0 | 3.2 | 21.4 | 19.2 | -152.0 | -21.4 |
| Corn competitive | Mil can \$ | 8.6 | -0.1 | 0.8 | 0.0 | 0.0 | 1.9 |
| Total policy transfers | Mil can \$ | 9.6 | 3.1 | 22.2 | 19.2 | -152.0 | -19.6 |
| CSE (per unit value) | Percent | 1.5 | 0.4 | 3.0 | 2.6 | -19.9 | -2.7 |
| CSE (per unit quantity) | Can \$/ton | 2.5 | 0.7 | 5.6 | 4.6 | -30.4 | -3.4 |
| | \$/ton | 2.0 | 0.6 | 4.3 | 3.3 | -21.9 | -2.3 |
| Corn: | | | | | | | |
| Level of consumption | Mil tons | 6.4 | 6.3 | 6.6 | 7.1 | 6.7 | 6.6 |
| Wholesale price | Can \$/ton | 154 | 193 | 175 | 146 | 129 | 159 |
| Cost to consumers | Mil can \$ | 985 | 1217 | 1155 | 1037 | 864 | 1052 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil can \$ | -16.9 | -15.6 | -15.4 | -15.6 | -13.7 | -15.4 |
| Total policy transfers | Mil can \$ | -16.9 | -15.6 | -15.4 | -15.6 | -13.7 | -15.4 |
| CSE (per unit value) | Percent | -1.7 | -1.3 | -1.3 | -1.5 | -1.6 | -1.5 |
| CSE (per unit quantity) | Can \$/ton | -2.6 | -2.5 | -2.3 | -2.2 | -2.0 | -2.3 |
| | \$/ton | -2.1 | -2.0 | -1.8 | -1.6 | -1.5 | -1.8 |
| Barley: | | | | | | | |
| Level of consumption | Mil tons | 6.5 | 7.0 | 6.6 | 6.7 | 7.2 | 6.8 |
| Wholesale price | Can \$/ton | 100 | 130 | 133 | 103 | 82 | 110 |
| Cost to consumers | Mil can \$ | 651 | 911 | 879 | 691 | 590 | 744 |
| Policy transfers to consumers: | | | | | | | |
| Corn competitive | Mil can \$ | -4.8 | 0.0 | 1.8 | 0.0 | 0.0 | -0.6 |
| Total policy transfers | Mil can \$ | -4.8 | 0.0 | 1.8 | 0.0 | 0.0 | -0.6 |
| CSE (per unit value) | Percent | -0.7 | 0.0 | 0.2 | 0.0 | 0.0 | -0.1 |
| CSE (per unit quantity) | Can \$/ton | -0.7 | 0.0 | 0.3 | 0.0 | 0.0 | -0.1 |
| | \$/ton | -0.6 | 0.0 | 0.2 | 0.0 | 0.0 | -0.1 |
| Beef and veal: | | | | | | | |
| Level of consumption | 1000 tons | 1039 | 1039 | 1009 | 1030 | 1051 | 1034 |
| Retail price | Can \$/ton | 6142 | 6080 | 6456 | 6358 | 6478 | 6303 |
| Cost to consumers | Mil can \$ | 6382 | 6317 | 6514 | 6549 | 6808 | 6514 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil can \$ | -45.8 | -45.8 | -44.5 | -45.4 | -46.3 | -45.6 |
| Total policy transfers | Mil can \$ | -45.8 | -45.8 | -44.5 | -45.4 | -46.3 | -45.6 |
| CSE (per unit value) | Percent | -0.7 | -0.7 | -0.7 | -0.7 | -0.7 | -0.7 |
| CSE (per unit quantity) | Can \$/ton | -44.1 | -44.1 | -44.1 | -44.1 | -44.1 | -44.1 |
| | \$/ton | -35.7 | -35.8 | -34.1 | -32.3 | -31.7 | -33.9 |

--Continued

Canada CSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|---------|---------|---------|---------|---------|----------------|
| Pork: | | | | | | | |
| Level of consumption | 1000 tons | 687 | 713 | 701 | 723 | 708 | 706 |
| Wholesale price | Can \$/ton | 4520 | 3868 | 4202 | 3922 | 4553 | 4213 |
| Cost to consumers | Mil can \$ | 3105 | 2758 | 2946 | 2836 | 3224 | 2974 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil can \$ | -7.6 | -7.8 | -7.7 | -8.0 | -7.8 | -7.8 |
| Total policy transfers | Mil can \$ | -7.6 | -7.8 | -7.7 | -8.0 | -7.8 | -7.8 |
| CSE (per unit value) | Percent | -0.2 | -0.3 | -0.3 | -0.3 | -0.2 | -0.3 |
| CSE (per unit quantity) | Can \$/ton | -11.1 | -10.9 | -11.0 | -11.1 | -11.0 | -11.0 |
| | \$/ton | -9.0 | -8.9 | -8.5 | -8.1 | -7.9 | -8.5 |
| Poultry: | | | | | | | |
| Level of consumption | 1000 tons | 523 | 531 | 557 | 600 | 629 | 568 |
| Retail price | Can \$/ton | 3000 | 3270 | 3683 | 3502 | 3802 | 3451 |
| Cost to consumers | Mil can \$ | 1569 | 1736 | 2051 | 2101 | 2391 | 1970 |
| Policy transfers to consumers: | | | | | | | |
| Quota & COP pricing | Mil can \$ | -184.0 | -145.4 | -88.2 | -38.6 | 56.7 | -79.9 |
| Total policy transfers | Mil can \$ | -184.0 | -145.4 | -88.2 | -38.6 | 56.7 | -79.9 |
| CSE (per unit value) | Percent | -11.7 | -8.4 | -4.3 | -1.8 | 2.4 | -4.1 |
| CSE (per unit quantity) | Can \$/ton | -351.8 | -273.8 | -158.3 | -64.3 | 90.1 | -151.6 |
| | \$/ton | -285.2 | -222.2 | -122.3 | -47.1 | 64.9 | -122.4 |
| Cheese: | | | | | | | |
| Level of consumption | 1000 tons | 172 | 181 | 197 | 213 | 229 | 198 |
| Retail price | Can \$/ton | 7990 | 8800 | 9400 | 9800 | 10050 | 9208 |
| Cost to consumers | Mil can \$ | 1374 | 1593 | 1852 | 2087 | 2301 | 1842 |
| Policy transfers to consumers: | | | | | | | |
| Quota/price support | Mil can \$ | -271.8 | -386.1 | -485.3 | -610.1 | -647.8 | -480.2 |
| Total policy transfers | Mil can \$ | -271.8 | -386.1 | -485.3 | -610.1 | -647.8 | -480.2 |
| CSE (per unit value) | Percent | -19.8 | -24.2 | -26.2 | -29.2 | -28.1 | -26.1 |
| CSE (per unit quantity) | Can \$/ton | -1580.2 | -2133.1 | -2463.5 | -2864.3 | -2828.8 | -2374.0 |
| | \$/ton | -1281.1 | -1730.8 | -1902.5 | -2098.4 | -2035.3 | -1809.6 |
| Fluid milk: | | | | | | | |
| Level of consumption | Mil tons | 2.7 | 2.7 | 2.7 | 2.6 | 2.7 | 2.7 |
| Retail price | Can \$/ton | 0.87 | 0.91 | 0.99 | 1.05 | 1.06 | 1.0 |
| Cost to consumers | Mil can \$ | 2349 | 2457 | 2673 | 2730 | 2862 | 2614 |
| Policy transfers to consumers: | | | | | | | |
| Fluid milk premium | Mil can \$ | -281.0 | -272.8 | -312.1 | -343.3 | -311.5 | -304.1 |
| Quota/price support | Mil can \$ | -431.4 | -578.2 | -671.3 | -751.8 | -809.6 | -648.5 |
| Total policy transfers | Mil can \$ | -712.4 | -851.0 | -983.4 | -1095.1 | -1121.1 | -952.6 |
| CSE (per unit value) | Percent | -30.3 | -34.6 | -36.8 | -40.1 | -39.2 | -36.4 |
| CSE (per unit quantity) | Can \$/ton | -263.9 | -315.2 | -364.2 | -421.2 | -415.2 | -355.9 |
| | \$/ton | -213.9 | -255.7 | -281.3 | -308.6 | -298.8 | -271.7 |

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Canada CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|---------|---------|---------|---------|---------|----------------|
| Sugar: | | | | | | | |
| Level of consumption | 1000 tons | 1006 | 990 | 1070 | 1033 | 1042 | 1028 |
| Retail price | Can \$/ton | 790 | 920 | 770 | 680 | 700 | 772 |
| Cost to consumers | Mil can \$ | 795 | 911 | 824 | 702 | 729 | 792 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil can \$ | -31.0 | -30.6 | -33.0 | -31.9 | -32.2 | -31.7 |
| Total policy transfers | Mil can \$ | -31.0 | -30.6 | -33.0 | -31.9 | -32.2 | -31.7 |
| CSE (per unit value) | Percent | -3.9 | -3.4 | -4.0 | -4.5 | -4.4 | -4.0 |
| CSE (per unit quantity) | Can \$/ton | -30.8 | -30.9 | -30.8 | -30.9 | -30.9 | -30.9 |
| | \$/ton | -25.0 | -25.1 | -23.8 | -22.6 | -22.2 | -23.7 |
| Butter: | | | | | | | |
| Level of consumption | 1000 tons | 110 | 108 | 107 | 103 | 98 | 105 |
| Retail price | Can \$/ton | 4920 | 5220 | 5510 | 5530 | 5700 | 5376 |
| Cost to consumers | Mil can \$ | 541 | 564 | 590 | 570 | 559 | 565 |
| Policy transfers to consumers: | | | | | | | |
| Quota/price support | Mil can \$ | -328.2 | -432.7 | -497.7 | -557.1 | -530.4 | -469.2 |
| Total policy transfers | Mil can \$ | -328.2 | -432.7 | -497.7 | -557.1 | -530.4 | -469.2 |
| CSE (per unit value) | Percent | -60.6 | -76.8 | -84.4 | -97.8 | -95.0 | -83.1 |
| CSE (per unit quantity) | Can \$/ton | -2983.6 | -4006.5 | -4651.4 | -5408.7 | -5412.2 | -4492.5 |
| | \$/ton | -2418.8 | -3250.9 | -3592.3 | -3962.4 | -3894.1 | -3423.7 |
| Non-fat dry milk: | | | | | | | |
| Level of consumption | 1000 tons | 113 | 124 | 111 | 106 | 99 | 111 |
| Retail price | Can \$/ton | 5110 | 5560 | 6070 | 4130 | 4250 | 5024 |
| Cost to consumers | Mil can \$ | 577 | 689 | 674 | 438 | 421 | 560 |
| Policy transfers to consumers: | | | | | | | |
| Quota/price support | Mil can \$ | -168.3 | -221.9 | -255.3 | -285.7 | -272.0 | -240.6 |
| Total policy transfers | Mil can \$ | -168.3 | -221.9 | -255.3 | -285.7 | -272.0 | -240.6 |
| CSE (per unit value) | Percent | -29.1 | -32.2 | -37.9 | -65.3 | -64.6 | -43.0 |
| CSE (per unit quantity) | Can \$/ton | -1489.4 | -1789.5 | -2300.0 | -2695.3 | -2747.5 | -2204.3 |
| | \$/ton | -1207.4 | -1452.0 | -1776.3 | -1974.6 | -1976.8 | -1677.4 |

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Canada CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|--------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Two-price wheat | Mil can \$ | 1 | 3 | 21 | 19 | -152 | -21 |
| Corn competitive | Mil can \$ | 4 | -0 | 3 | 0 | 0 | 1 |
| Tariff | Mil can \$ | -101 | -100 | -101 | -101 | -100 | -101 |
| Quota/price support | Mil can \$ | -1384 | -1764 | -1998 | -2243 | -2203 | -1918 |
| Fluid milk premium | Mil can \$ | -281 | -273 | -312 | -343 | -312 | -304 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil can \$ | 10 | 3 | 22 | 19 | -152 | -20 |
| Corn | Mil can \$ | -17 | -16 | -15 | -16 | -14 | -15 |
| Barley | Mil can \$ | -5 | 0 | 2 | 0 | 0 | -1 |
| Beef and veal | Mil can \$ | -46 | -46 | -45 | -45 | -46 | -46 |
| Pork | Mil can \$ | -8 | -8 | -8 | -8 | -8 | -8 |
| Poultry | Mil can \$ | -184 | -145 | -88 | -39 | 57 | -80 |
| Cheese | Mil can \$ | -272 | -386 | -485 | -610 | -648 | -480 |
| Fluid milk | Mil can \$ | -712 | -851 | -983 | -1095 | -1121 | -953 |
| Butter | Mil can \$ | -328 | -433 | -498 | -557 | -530 | -469 |
| Non-fat dry milk | Mil can \$ | -168 | -222 | -255 | -286 | -272 | -241 |
| Sugar | Mil can \$ | -31 | -31 | -33 | -32 | -32 | -32 |
| CSE by commodity: | | | | | | | |
| Wheat | Percent | 1.51 | 0.41 | 3.03 | 2.58 | -19.87 | -2.69 |
| Corn | Percent | -1.72 | -1.28 | -1.33 | -1.50 | -1.59 | -1.47 |
| Barley | Percent | -0.74 | 0.00 | 0.20 | 0.00 | 0.00 | -0.08 |
| Beef and veal | Percent | -0.72 | -0.73 | -0.68 | -0.69 | -0.68 | -0.70 |
| Pork | Percent | -0.24 | -0.28 | -0.26 | -0.28 | -0.24 | -0.26 |
| Poultry | Percent | -11.73 | -8.37 | -4.30 | -1.84 | 2.37 | -4.06 |
| Cheese | Percent | -19.78 | -24.24 | -26.21 | -29.23 | -28.15 | -26.08 |
| Fluid milk | Percent | -30.33 | -34.64 | -36.79 | -40.11 | -39.17 | -36.44 |
| Butter | Percent | -60.64 | -76.75 | -84.42 | -97.81 | -94.95 | -83.11 |
| Non-fat dry milk | Percent | -29.15 | -32.19 | -37.89 | -65.26 | -64.65 | -42.98 |
| Sugar | Percent | -3.90 | -3.36 | -4.01 | -4.54 | -4.41 | -4.01 |
| Total policy transfers | Mil can \$ | -1761 | -2134 | -2387 | -2668 | -2767 | -2343 |
| Cost to consumers | Mil can \$ | 18963 | 19915 | 20889 | 20484 | 21515 | 20353 |
| 11-commodity CSE | Percent | -9.3 | -10.7 | -11.4 | -13.0 | -12.9 | -11.5 |

Note: Can \$ = Canadian dollars

* Payment to producers in addition to price received.

EUROPEAN COMMUNITY
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|---------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trade measures | all PSE's and CSE'S, except oilseeds | Internal prices are kept above world prices by variable levies tied to a minimum import price and the insulation of the domestic market from surpluses by intervention buying or export subsidies. | Estimates are the wedge between EC internal market prices (<u>1</u> , <u>2</u> , <u>4</u> , <u>5</u> , <u>12</u>) and world prices (<u>1</u> , <u>4</u> , <u>6</u> , <u>11</u> , <u>14</u>). Local currencies were converted to ECU's by market exchange rates (<u>9</u>) and weighted by production or consumption shares (<u>1</u> , <u>7</u> , <u>8</u> , <u>10</u> , <u>13</u>). |
| Deficiency payments | rapeseed PSE soybean PSE | Payment is equal to the difference between an EC "target" price and the world price. | Budget data are in (<u>1</u>) and (<u>3</u>). |
| Acreage payments | durum wheat PSE | Payment is made on acreage basis to producers in regions having low yields. | Budget data are in (<u>1</u>) and (<u>3</u>). |
| Headage payments | beef & veal PSE | Payment is made to encourage a shift from dairy to beef production. | Budget data are in (<u>1</u>) and (<u>3</u>). |
| Conversion payments | dairy PSE | Payments per ton of milk encourage a shift from dairy to beef production. | Budget data are in (<u>1</u>) and (<u>3</u>). |
| Producer levies | sugar PSE | Taxes are levied on producers to finance disposal costs. | Budget data are in (<u>1</u>) and (<u>3</u>). |
| | dairy PSE | Taxes are levied on producers to finance promotional and market research measures, to improve the quality of milk in the EC, and to subsidize liquid milk consumption in schools. | |

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European Community: Measured policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|---------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Producer levies | barley PSE durum wheat PSE soft wheat PSE corn PSE | In grains, a volume-related tax is placed on marketed production to reduce oversupply. | Budget data are in (1) and (3). |
| Other payments | sheepmeat PSE | These include aggregated headage and deficiency payments. | Budget data are in (1) and (3). |
| Extension of market | dairy PSE | Expenditures are to finance promotional and market research measures and to improve the quality of milk in the EC. | Budget data are in (1). |
| Structural programs | all PSE's | These programs are designed to enhance the efficiency of agriculture in selected regions by promoting structural improvements. | Budget data are in (3). Some expenditures are broken out by commodity. Other expenditures were allocated by their relative values of production. |
| Consumer subsidies | liquid milk CSE butter CSE | Various programs provide liquid milk and butter at reduced prices. | |

EUROPEAN COMMUNITY
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|--------------------------------------------------------------|---------------------------|
| National programs | Significant data problems |
| Export promotions | Significant data problems |
| Input tariffs on machinery, fertilizers, and chemicals | Significant data problems |

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EC-10 PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Rapeseed: | | | | | | | |
| Level of production | Mil ton | 2.7 | 2.5 | 3.5 | 3.7 | 3.7 | 3.2 |
| Producer price | Ecu/ton | 465 | 495 | 501 | 489 | 468 | 484 |
| Value to producers | Mil ecu | 1246 | 1232 | 1744 | 1810 | 1732 | 1553 |
| Policy transfers to producers: | | | | | | | |
| Deficiency payments | Mil ecu | 618.0 | 450.7 | 288.4 | 948.8 | 1167.8 | 694.7 |
| Structural policy | Mil ecu | 1.6 | 1.8 | 1.7 | 1.4 | 0.9 | 1.5 |
| Total policy transfers | Mil ecu | 619.6 | 452.5 | 290.1 | 950.2 | 1168.7 | 696.2 |
| PSE (per unit value) | Percent | 49.7 | 36.7 | 16.6 | 52.5 | 67.5 | 44.6 |
| PSE (per unit quantity) | Ecu/ton | 231.2 | 181.7 | 83.3 | 256.8 | 315.9 | 216.9 |
| | US\$/ton | 226.49 | 161.78 | 65.76 | 195.97 | 310.70 | 192.1 |
| Rice (paddy): | | | | | | | |
| Level of production | Mil ton | 1.12 | 1.14 | 1.11 | 1.29 | 1.27 | 1.19 |
| Producer price | Ecu/ton | 339 | 338 | 384 | 342 | 340 | 349 |
| Value to producers | Mil ecu | 379 | 386 | 427 | 442 | 432 | 413 |
| Policy transfers to producers: | | | | | | | |
| Trade measures | Mil ecu | 110.9 | 89.1 | 184.0 | 257.8 | 315.8 | 191.5 |
| Structural policy | Mil ecu | 0.9 | 1.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| Total policy transfers | Mil ecu | 111.8 | 90.1 | 184.9 | 258.7 | 316.7 | 192.4 |
| PSE (per unit value) | Percent | 29.5 | 23.4 | 43.3 | 58.6 | 73.3 | 46.6 |
| PSE (per unit quantity) | Ecu/ton | 99.8 | 79.0 | 166.6 | 200.5 | 249.3 | 159.1 |
| | US\$/ton | 97.78 | 70.33 | 131.44 | 153.02 | 245.27 | 139.57 |
| Barley: | | | | | | | |
| Level of production | Mil ton | 41 | 36 | 44 | 41 | 39 | 40 |
| Producer price | 1000 tons | 178 | 192 | 185 | 171 | 163 | 178 |
| Value to producers | Mil ecu | 7353 | 6929 | 8187 | 6958 | 6416 | 7169 |
| Policy transfers to producers: | | | | | | | |
| Trade measures | Mil ecu | 247.6 | 1495.0 | 122.8 | 666.4 | 2523.2 | 1011.0 |
| Structural policy | Mil ecu | 9.7 | 10.9 | 10.1 | 9.2 | 7.8 | 9.5 |
| Producer levy* | Mil ecu | 0.0 | 0.0 | 0.0 | 0.0 | -17.4 | -3.5 |
| Total policy transfers | Mil ecu | 257.3 | 1505.9 | 132.9 | 675.6 | 2513.6 | 1017.1 |
| PSE (per unit value) | Percent | 3.5 | 21.7 | 1.6 | 9.7 | 39.2 | 14.2 |
| PSE (per unit quantity) | Ecu/ton | 1.2 | 6.6 | 0.6 | 3.2 | 12.4 | 4.8 |
| | US\$/ton | 1.15 | 5.88 | 0.46 | 2.44 | 12.20 | 4.4 |

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EC-10 PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Soybeans: | | | | | | | |
| Level of production | 1000 tons | 31 | 92 | 155 | 343 | 912 | 307 |
| Producer price | Ecu/ton | 464 | 494 | 494 | 507 | 507 | 493 |
| Value to producers | Mil ecu | 14 | 45 | 77 | 174 | 462 | 154 |
| Policy transfers to producers: | | | | | | | |
| Deficiency payments | Mil ecu | 7.30 | 6.20 | 32.70 | 115.50 | 200.20 | 72.38 |
| Structural policy | Mil ecu | 0.02 | 0.03 | 0.02 | 0.12 | 0.20 | 0.08 |
| Total policy transfers | Mil ecu | 7.32 | 6.23 | 32.72 | 115.62 | 200.40 | 72.46 |
| PSE (per unit value) | Percent | 50.8 | 13.7 | 42.7 | 66.4 | 43.4 | 46.9 |
| PSE (per unit quantity) | Ecu/ton | 236.1 | 67.7 | 211.1 | 337.1 | 219.7 | 214.4 |
| | US\$/ton | 231.34 | 60.28 | 166.57 | 257.23 | 216.15 | 186.31 |
| Durum wheat: | | | | | | | |
| Level of production | Mil tons | 4.1 | 3.9 | 6.1 | 5.4 | 6.9 | 4.9 |
| Producer price | Ecu/ton | 277 | 301 | 309 | 298 | 284 | 296 |
| Value to producers | Mil ecu | 1286 | 1388 | 2091 | 1836 | 2158 | 1650 |
| Policy transfers to producers: | | | | | | | |
| Direct payments* | Mil ecu | 165.8 | 218.5 | 200.3 | 242.5 | 210.8 | 206.8 |
| Trade measures | Mil ecu | 291.2 | 226.2 | 556.6 | 627.7 | 919.5 | 425.4 |
| Structural policy | Mil ecu | 1.9 | 2.0 | 1.8 | 1.1 | 2.8 | 1.7 |
| Producer levy | Mil ecu | 0.0 | 0.0 | 0.0 | 0.0 | -3.0 | 0.0 |
| Total policy transfers | Mil ecu | 458.9 | 446.7 | 758.7 | 871.3 | 1130.1 | 633.9 |
| PSE (per unit value) | Percent | 35.7 | 32.2 | 36.3 | 47.5 | 52.4 | 38.4 |
| PSE (per unit quantity) | Ecu/ton | 113.3 | 114.8 | 124.0 | 162.9 | 164.5 | 128.7 |
| | US\$/ton | 111.01 | 102.23 | 97.81 | 124.28 | 161.82 | 108.83 |
| Soft wheat: | | | | | | | |
| Level of production | Mil ton | 56 | 55 | 70 | 60 | 60 | 60 |
| Producer price | Ecu/ton | 193 | 194 | 186 | 179 | 173 | 185 |
| Value to producers | Mil ecu | 10725 | 10693 | 13031 | 10757 | 10422 | 11126 |
| Policy transfers to producers: | | | | | | | |
| Trade measures | Mil ecu | 2872.6 | 1033.0 | 465.3 | 3326.2 | 6139.8 | 2767.4 |
| Structural policy | Mil ecu | 22.8 | 25.7 | 23.9 | 21.5 | 19.2 | 22.6 |
| Producer levy | Mil ecu | 0.0 | 0.0 | 0.0 | 0.0 | -26.7 | -5.3 |
| Total policy transfers | Mil ecu | 2895.4 | 1058.7 | 489.2 | 3347.7 | 6132.3 | 2784.7 |
| PSE (per unit value) | Percent | 27.0 | 9.9 | 3.8 | 31.1 | 58.8 | 25.0 |
| PSE (per unit quantity) | Ecu/ton | 52.0 | 19.2 | 7.0 | 55.7 | 101.7 | 47.1 |
| | US\$/ton | 50.93 | 17.07 | 5.50 | 42.54 | 100.00 | 43.2 |

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EC-10 PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|---------|---------|---------|---------|----------------|
| Corn: | | | | | | | |
| Level of production | Mil ton | 19.8 | 19.8 | 20.3 | 22.0 | 21.2 | 20.6 |
| Producer price | Ecu/ton | 182 | 197 | 204 | 181 | 186 | 190 |
| Value to producers | Mil ecu | 3595 | 3899 | 4132 | 3988 | 3949 | 3913 |
| Policy transfers to producers: | | | | | | | |
| Trade measures | Mil ecu | 699.8 | 1.6 | 237.1 | 1436.1 | 2456.1 | 966.1 |
| Structural policy | Mil ecu | 5.3 | 5.9 | 5.5 | 6.5 | 6.0 | 5.8 |
| Producer levy | Mil ecu | 0.0 | 0.0 | 0.0 | 0.0 | -9.2 | -1.8 |
| Total policy transfers | Mil ecu | 705.1 | 7.5 | 242.6 | 1442.6 | 2452.9 | 970.2 |
| PSE (per unit value) | Percent | 19.6 | 0.2 | 5.9 | 36.2 | 62.1 | 24.8 |
| PSE (per unit quantity) | Ecu/ton | 35.6 | 0.4 | 12.0 | 65.5 | 115.5 | 45.8 |
| | US\$/ton | 34.89 | 0.34 | 9.43 | 50.02 | 113.65 | 41.66 |
| Sugar: | | | | | | | |
| Level of production (quota) | Mil ton | 12.4 | 10.8 | 12.6 | 12.4 | 12.6 | 12.2 |
| Level of production ("C") | Mil ton | 2.6 | 1.0 | 0.8 | 1.3 | 1.4 | 1.4 |
| Producer price (quota) | Ecu/ton | 426 | 443 | 443 | 448 | 449 | 442 |
| Producer price ("C") | Mil ecu | 193 | 264 | 149 | 164 | 174 | 189 |
| Value to producers | Mil ecu | 5077 | 4115 | 4537 | 4697 | 4815 | 4648 |
| Policy transfers to producers: | | | | | | | |
| Producer levy* | Mil ecu | -705.8 | -948.0 | -1176.4 | -1057.4 | -1111.5 | -999.8 |
| Trade measures | Mil ecu | 2890.4 | 1940.5 | 3710.3 | 3511.1 | 3476.1 | 3105.7 |
| Structural policy | Mil ecu | 7.0 | 7.9 | 7.4 | 2.4 | 2.6 | 5.5 |
| Total policy transfers | Mil ecu | 2191.6 | 1000.4 | 2541.3 | 2456.1 | 2367.2 | 2111.3 |
| PSE (per unit value) | Percent | 43.2 | 24.3 | 56.0 | 52.3 | 49.2 | 45.4 |
| PSE (per unit quantity) | Ecu/ton | 146.2 | 84.5 | 189.1 | 179.6 | 168.4 | 153.6 |
| | US\$/ton | 143.22 | 75.26 | 149.17 | 137.03 | 165.66 | 134.07 |
| Milk: | | | | | | | |
| Level of production | Mil ton | 112 | 115 | 113 | 112 | 121 | 114 |
| Producer price | Ecu/ton | 243 | 255 | 265 | 263 | 267 | 259 |
| Value to producers | Mil ecu | 26674 | 28875 | 29153 | 28910 | 31502 | 29023 |
| Policy transfers to producers: | | | | | | | |
| Conversion* | Mil ecu | 88.0 | 92.0 | 59.0 | 41.2 | 9.5 | 57.9 |
| Producer levy* | Mil ecu | -537.3 | -527.4 | -749.2 | -637.3 | -717.1 | -633.7 |
| Trade measures | Mil ecu | 9407.3 | 10039.5 | 12210.3 | 12922.5 | 20888.7 | 13093.7 |
| Extension of market | Mil ecu | 105.7 | 154.2 | 183.7 | 210.0 | 204.7 | 171.7 |
| Structural policy | Mil ecu | 56.4 | 63.4 | 58.9 | 129.6 | 253.8 | 112.4 |
| Total policy transfers | Mil ecu | 9120.1 | 9821.7 | 11762.7 | 12665.9 | 20639.6 | 12802.0 |
| PSE (per unit value) | Percent | 34.2 | 34.0 | 40.3 | 43.8 | 65.5 | 44.1 |
| PSE (per unit quantity) | Ecu/ton | 81.8 | 85.4 | 104.5 | 112.9 | 171.0 | 111.1 |
| | US\$/ton | 80.13 | 76.03 | 82.42 | 86.12 | 168.26 | 98.59 |

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EC-10 PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Beef & Veal: | | | | | | | |
| Level of production | | | | | | | |
| Veal | Mil ton | 0.80 | 0.83 | 0.90 | 0.89 | 0.91 | 0.87 |
| Beef | Mil ton | 5.8 | 6.1 | 6.6 | 6.5 | 6.6 | 6.3 |
| Producer price | | | | | | | |
| Veal | Ecu/ton | 4631 | 4653 | 4500 | 4622 | 4714 | 4624 |
| Beef | Ecu/ton | 3544 | 3873 | 3853 | 3023 | 2848 | 3428 |
| Value to producers | Mil ecu | 24431 | 27750 | 29934 | 24063 | 23219 | 25880 |
| Policy transfers to producers: | | | | | | | |
| Acreage/headage* | Mil ecu | 173.6 | 275.9 | 339.6 | 313.1 | 236.9 | 267.8 |
| Trade measures (veal) | Mil ecu | 1308.1 | 1287.8 | 1002.6 | 1002.1 | 905.6 | 1101.2 |
| Trade measures (beef) | Mil ecu | 7713.3 | 10118.3 | 13358.5 | 11923.1 | 7144.8 | 10051.6 |
| Structural policy | Mil ecu | 91.0 | 101.9 | 94.6 | 130.5 | 195.2 | 122.6 |
| Total policy transfers | Mil ecu | 9285.9 | 11783.9 | 14795.3 | 13368.7 | 8482.5 | 11543.3 |
| PSE (per unit value) | Percent | 38.0 | 42.5 | 49.4 | 55.6 | 36.5 | 44.6 |
| PSE (per unit quantity) | Ecu/ton | 1407.0 | 1701.2 | 1964.8 | 1810.1 | 1134.7 | 1603.6 |
| | US\$/ton | 1378.40 | 1514.37 | 1550.26 | 1381.25 | 1116.22 | 1388.10 |
| Pigmeat: | | | | | | | |
| Level of production | Mil ton | 10 | 11 | 11 | 12 | 12 | 11 |
| Producer price | Ecu/ton | 1672 | 1577 | 1668 | 1658 | 1477 | 1610 |
| Value to producers | Mil ecu | 17026 | 16587 | 17594 | 19537 | 17865 | 17722 |
| Policy transfers to producers: | | | | | | | |
| Trade measures | Mil ecu | 1959.6 | 2480.9 | 1319.4 | 2636.4 | 4806.7 | 2640.6 |
| Structural policy | Mil ecu | 33.2 | 37.1 | 34.5 | 47.0 | 39.1 | 38.2 |
| Total policy transfers | Mil ecu | 1992.8 | 2518.0 | 1353.9 | 2683.3 | 4845.7 | 2678.8 |
| PSE (per unit value) | Percent | 11.7 | 15.2 | 7.7 | 13.7 | 27.1 | 15.1 |
| PSE (per unit quantity) | Ecu/ton | 195.7 | 239.4 | 128.4 | 227.7 | 400.5 | 238.3 |
| | US\$/ton | 191.73 | 213.11 | 101.27 | 173.72 | 394.00 | 214.77 |
| Poultrymeat: | | | | | | | |
| Level of production | Mil ton | 4.4 | 4.3 | 4.3 | 4.4 | 4.5 | 4.4 |
| Producer price | Ecu/ton | 1317 | 1414 | 1540 | 1555 | 1454 | 1456 |
| Value to producers | Mil ecu | 5791 | 6096 | 6614 | 6825 | 6590 | 6383 |
| Policy transfers to producers: | | | | | | | |
| Trade measures | Mil ecu | 1239.1 | 1968.0 | 1680.8 | 2002.9 | 2195.3 | 1817.2 |
| Structural policy | Mil ecu | 12.8 | 14.4 | 13.3 | 8.6 | 20.5 | 13.9 |
| Total policy transfers | Mil ecu | 1251.9 | 1982.4 | 1694.1 | 2011.6 | 2215.7 | 1831.1 |
| PSE (per unit value) | Percent | 21.6 | 32.5 | 25.6 | 29.5 | 33.6 | 28.7 |
| PSE (per unit quantity) | Ecu/ton | 284.7 | 459.8 | 394.4 | 458.3 | 488.9 | 417.2 |
| | US\$/ton | 278.94 | 409.36 | 311.21 | 349.74 | 480.92 | 366.03 |
| Sheepmeat: | | | | | | | |
| Level of production | Mil ton | 0.71 | 0.73 | 0.74 | 0.74 | 0.70 | 0.72 |
| Producer price | Ecu/ton | 3713 | 3547 | 3885 | 3609 | 4174 | 3786 |
| Value to producers | Mil ecu | 2888 | 2891 | 3289 | 3184 | 3551 | 3161 |
| Policy transfers to producers: | | | | | | | |
| Direct payments* | Mil ecu | 251.7 | 305.6 | 433.5 | 502.4 | 617.0 | 422.0 |
| Trade measures | Mil ecu | 874.1 | 917.1 | 990.6 | 745.2 | 1474.8 | 1000.3 |
| Structural policy | Mil ecu | 12.8 | 14.3 | 13.3 | 15.8 | 22.9 | 15.8 |
| Total policy transfers | Mil ecu | 1138.6 | 1237.0 | 1437.4 | 1263.4 | 2114.7 | 1438.2 |
| PSE (per unit value) | Percent | 39.4 | 42.8 | 43.7 | 39.7 | 59.5 | 45.5 |
| PSE (per unit quantity) | Ecu/ton | 1603.7 | 1696.8 | 1955.6 | 1700.4 | 3008.1 | 1992.9 |
| | \$/ton | 1571.11 | 1510.53 | 1542.96 | 1297.55 | 2958.94 | 1776.22 |

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EC-10 PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|--------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy : | | | | | | | |
| Trade measures | Mil ecu | 29614 | 31597 | 35838 | 41057 | 53246 | 38172 |
| Deficiency payments | Mil ecu | 625 | 457 | 321 | 1064 | 1368 | 767 |
| Acreage/headage | Mil ecu | 174 | 276 | 340 | 313 | 237 | 268 |
| Conversion | Mil ecu | 88 | 92 | 59 | 41 | 9 | 58 |
| Producer levy | Mil ecu | -1243 | -1475 | -1926 | -1695 | -1885 | -1644 |
| Direct payments | Mil ecu | 418 | 524 | 634 | 745 | 828 | 629 |
| Structural policy | Mil ecu | 255 | 286 | 266 | 375 | 572 | 351 |
| Extension of market | Mil ecu | 106 | 154 | 184 | 210 | 205 | 172 |
| Policy transfers by commodity: | | | | | | | |
| Rapeseed | Mil ecu | 620 | 453 | 290 | 950 | 1169 | 696 |
| Rice | Mil ecu | 112 | 90 | 185 | 259 | 317 | 192 |
| Barley | Mil ecu | 257 | 1506 | 133 | 676 | 2514 | 1017 |
| Soybeans | Mil ecu | 7 | 6 | 33 | 116 | 200 | 72 |
| Durum wheat | Mil ecu | 459 | 447 | 759 | 871 | 1130 | 634 |
| Soft wheat | Mil ecu | 2895 | 1059 | 489 | 3348 | 6132 | 2785 |
| Corn | Mil ecu | 705 | 7 | 243 | 1443 | 2453 | 970 |
| Sugar | Mil ecu | 2192 | 1000 | 2541 | 2456 | 2367 | 2111 |
| Milk | Mil ecu | 9120 | 9822 | 11763 | 12666 | 20640 | 12802 |
| Beef & Veal | Mil ecu | 9286 | 11784 | 14795 | 13369 | 8482 | 11543 |
| Pigmeat | Mil ecu | 1993 | 2518 | 1354 | 2683 | 4846 | 2679 |
| Poultrymeat | Mil ecu | 1252 | 1982 | 1694 | 2012 | 2216 | 1831 |
| Sheepmeat | Mil ecu | 1139 | 1237 | 1437 | 1263 | 2115 | 1438 |
| PSE by commodity: | | | | | | | |
| Rapeseed | Percent | 49.7 | 36.7 | 16.6 | 52.5 | 67.5 | 44.6 |
| Rice | Percent | 29.5 | 23.4 | 43.3 | 58.6 | 73.3 | 46.6 |
| Barley | Percent | 3.5 | 21.7 | 1.6 | 9.7 | 39.2 | 14.2 |
| Soybeans | Percent | 50.8 | 13.7 | 42.7 | 66.4 | 43.4 | 46.9 |
| Durum wheat | Percent | 35.7 | 32.2 | 36.3 | 47.5 | 52.4 | 38.4 |
| Soft wheat | Percent | 27.0 | 9.9 | 3.8 | 31.1 | 58.8 | 25.0 |
| Corn | Percent | 19.6 | 0.2 | 5.9 | 36.2 | 62.1 | 24.8 |
| Sugar | Percent | 43.2 | 24.3 | 56.0 | 52.3 | 49.2 | 45.4 |
| Milk | Percent | 34.2 | 34.0 | 40.3 | 43.8 | 65.5 | 44.1 |
| Beef & Veal | Percent | 38.0 | 42.5 | 49.4 | 55.6 | 36.5 | 44.6 |
| Pigmeat | Percent | 11.7 | 15.2 | 7.7 | 13.7 | 27.1 | 15.1 |
| Poultrymeat | Percent | 21.6 | 32.5 | 25.6 | 29.5 | 33.6 | 28.7 |
| Sheepmeat | Percent | 39.4 | 42.8 | 43.7 | 39.7 | 59.5 | 45.5 |
| Total policy transfers | Mil ecu | 30036 | 31911 | 35716 | 42111 | 54580 | 38772 |
| Value to producers | Mil ecu | 103598 | 107995 | 117522 | 109997 | 109560 | 109633 |
| 13-commodity PSE | Percent | 29.0 | 29.5 | 30.4 | 38.3 | 49.8 | 35.4 |

Notes: ecu = European Community unit

1986 estimates are preliminary.

* Payment to producer in addition to price received.

EC-10 CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|----------|----------|---------|---------|----------|----------------|
| Rice: | | | | | | |
| Level of consumption | Mil tons | 1.4 | 1.5 | 1.2 | 1.2 | 1.3 |
| Consumer price | Ecu/ton | 1281 | 1443 | 1476 | 1563 | 1441 |
| Cost to consumers | Mil ecu | 1781 | 2165 | 1771 | 1876 | 1898 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -170.60 | -146.08 | -196.94 | -243.96 | -189.40 |
| Total policy transfers | Mil ecu | -170.60 | -146.08 | -196.94 | -243.96 | -189.40 |
| CSE (per unit value) | Percent | -9.58 | -6.75 | -11.12 | -13.01 | -9.98 |
| CSE (per unit quantity) | Ecu/ton | -122.73 | -97.39 | -164.12 | -203.30 | -146.88 |
| | US\$/ton | -120.24 | -86.69 | -129.49 | -266.42 | -150.71 |
| Durum wheat: | | | | | | |
| Level of consumption | Mil tons | 3.8 | 3.7 | 4.4 | 4.3 | 4.1 |
| Consumer price | Ecu/ton | 298 | 318 | 302 | 303 | 305 |
| Cost to consumers | Mil ecu | 1132 | 1177 | 1338 | 1303 | 1237 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -273.23 | -215.18 | -402.63 | -502.15 | -348.30 |
| Total policy transfers | Mil ecu | -273.23 | -215.18 | -402.63 | -502.15 | -348.30 |
| CSE (per unit value) | Percent | -24.13 | -18.29 | -30.10 | -38.54 | -28.15 |
| CSE (per unit quantity) | Ecu/ton | -71.90 | -58.16 | -90.89 | -116.78 | -84.43 |
| | US\$/ton | -70.44 | -51.77 | -71.71 | -153.03 | -86.74 |
| Soft wheat: | | | | | | |
| Level of consumption | | | | | | |
| Human | Mil tons | 22 | 22 | 23 | 23 | 23 |
| Animal | Mil tons | 18.6 | 24.8 | 25.2 | 25.4 | 24 |
| Consumer price | | | | | | |
| Bread wheat | Ecu/ton | 212.5 | 215.7 | 207.1 | 206.7 | 210 |
| Feed wheat | Ecu/ton | 173.9 | 173.3 | 188.4 | 223.5 | 190 |
| Cost to consumers | Mil ecu | 7972 | 9098 | 9468 | 10452 | 9248 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -1940.90 | -724.61 | -235.41 | -2561.11 | -1365.51 |
| Total policy transfers | Mil ecu | -1940.90 | -724.61 | -235.41 | -2561.11 | -1365.51 |
| CSE (per unit value) | Percent | -24.35 | -7.96 | -2.49 | -24.50 | -14.77 |
| CSE (per unit quantity) | Ecu/ton | -47.45 | -15.40 | -4.90 | -52.81 | -30.14 |
| | US\$/ton | -46.49 | -13.71 | -3.87 | -69.20 | -33.32 |

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EC-10 CSE's (Continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|----------|----------|----------|----------|----------|----------------|
| Barley: | | | | | | |
| Level of consumption | Mil tons | 35 | 33 | 33 | 32 | 33 |
| Consumer price | Ecu/ton | 197 | 208 | 196 | 226 | 207 |
| Cost to consumers | Mil ecu | 6807 | 6931 | 6494 | 7149 | 6846 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -207.06 | -1378.40 | -91.85 | -515.87 | -548.30 |
| Total policy transfers | Mil ecu | -207.06 | -1378.40 | -91.85 | -515.87 | -548.30 |
| CSE (per unit value) | Percent | -3.04 | -19.89 | -1.41 | -7.22 | -8.01 |
| CSE (per unit quantity) | Ecu/ton | -5.99 | -41.37 | -2.77 | -16.34 | -16.62 |
| | US\$/ton | -5.86 | -36.83 | -2.19 | -21.41 | -16.57 |
| Corn: | | | | | | |
| Level of consumption | Mil tons | 24 | 24 | 23 | 22 | 23 |
| Consumer price | Ecu/ton | 227 | 232 | 238 | 221 | 229 |
| Cost to consumers | Mil ecu | 5423 | 5594 | 5474 | 4885 | 5344 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -859.71 | -13.95 | -270.74 | -1446.67 | -647.77 |
| Total policy transfers | Mil ecu | -859.71 | -13.95 | -270.74 | -1446.67 | -647.77 |
| CSE (per unit value) | Percent | -15.85 | -0.25 | -4.95 | -29.61 | -12.12 |
| CSE (per unit quantity) | Ecu/ton | -35.99 | -0.58 | -11.77 | -65.37 | -28.43 |
| | US\$/ton | -35.26 | -0.52 | -9.29 | -85.67 | -32.68 |
| Sugar (white): | | | | | | |
| Level of consumption | Mil tons | 9.5 | 9.3 | 9.4 | 9.2 | 9.4 |
| Consumer price | Ecu/ton | 796 | 842 | 888 | 879 | 851 |
| Cost to consumers | Mil ecu | 7541 | 7841 | 8347 | 8115 | 7961 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -2211.23 | -1671.86 | -2779.43 | -2622.17 | -2321.17 |
| Total policy transfers | Mil ecu | -2211.23 | -1671.86 | -2779.43 | -2622.17 | -2321.17 |
| CSE (per unit value) | Percent | -29.32 | -21.32 | -33.30 | -32.31 | -29.16 |
| CSE (per unit quantity) | Ecu/ton | -233.40 | -179.50 | -295.68 | -284.00 | -248.15 |
| | US\$/ton | -228.66 | -159.79 | -233.29 | -372.17 | -248.48 |

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EC-10 CSE's (Continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|----------|----------|----------|----------|----------|----------------|
| Fluid milk: | | | | | | |
| Level of consumption | Mil tons | 28 | 28 | 25 | 29 | 27 |
| Consumer price | Ecu/ton | 626 | 648 | 625 | 649 | 637 |
| Cost to consumers | Mil ecu | 17403 | 17976 | 15925 | 18613 | 17479 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -2345.20 | -2421.20 | -3007.50 | -3298.20 | -2768.03 |
| Consumer subsidies | Mil ecu | 322.70 | 332.60 | 298.60 | 303.83 | 314.43 |
| Total policy transfers | Mil ecu | -2022.50 | -2088.60 | -2708.90 | -2994.37 | -2453.59 |
| CSE (per unit value) | Percent | -11.62 | -11.62 | -17.01 | -16.09 | -14.04 |
| CSE (per unit quantity) | Ecu/ton | -72.76 | -75.31 | -106.31 | -104.44 | -89.71 |
| | US\$/ton | -71.29 | -67.04 | -83.88 | -136.87 | -89.77 |
| Beef & Veal: | | | | | | |
| Level of consumption | | | | | | |
| Veal | Mil tons | 0.80 | 0.82 | 0.90 | 0.86 | 0.84 |
| Beef | Mil tons | 5.8 | 5.8 | 5.6 | 5.7 | 5.7 |
| Consumer price | Ecu/ton | 10819 | 11304 | 11507 | 11717 | 11337 |
| Cost to consumers | Bil ecu | 72 | 75 | 75 | 76 | 74 |
| Policy transfers to consumers: | | | | | | |
| Trade measures (veal) | Bil ecu | -1.30 | -1.28 | -1.01 | -0.97 | -1 |
| Trade measures (beef) | Bil ecu | -7.74 | -9.62 | -11.24 | -10.39 | -10 |
| Total policy transfers | Bil ecu | -9.04 | -10.90 | -12.25 | -11.36 | -11 |
| CSE (per unit value) | Percent | -12.63 | -14.58 | -16.39 | -14.86 | -14.64 |
| CSE (per unit quantity) | Ecu/ton | -5539.81 | -7454.96 | -8087.15 | -7488.99 | -7143 |
| | US\$/ton | -5427.35 | -6636.40 | -6380.76 | -9814.03 | -7065 |
| Pigmeat: | | | | | | |
| Level of consumption | Mil tons | 10 | 10 | 10 | 11 | 10 |
| Consumer price | Ecu/ton | 5576 | 5598 | 5824 | 6552 | 5888 |
| Cost to consumers | Mil ecu | 56302 | 57234 | 59842 | 70735 | 61028 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -1942.70 | -2411.80 | -1283.89 | -2424.95 | -2015.84 |
| Total policy transfers | Mil ecu | -1942.70 | -2411.80 | -1283.89 | -2424.95 | -2015.84 |
| CSE (per unit value) | Percent | -3.45 | -4.21 | -2.15 | -3.43 | -3.30 |
| CSE (per unit quantity) | Ecu/ton | -192.40 | -235.90 | -124.95 | -224.62 | -194.47 |
| | US\$/ton | -188.50 | -209.99 | -98.59 | -294.35 | -197.86 |

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EC-10 CSE's (Continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|----------|----------|----------|----------|----------|----------------|
| Poultrymeat : | | | | | | |
| Level of consumption | Mil tons | 3.9 | 3.9 | 3.9 | 4.0 | 3.9 |
| Consumer price | Ecu/ton | 2639 | 2669 | 2795 | 2834 | 2734 |
| Cost to consumers | Mil ecu | 10389 | 10402 | 10901 | 11315 | 10752 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -1110.20 | -1779.00 | -1528.88 | -1477.47 | -1473.89 |
| Total policy transfers | Mil ecu | -1110.20 | -1779.00 | -1528.88 | -1477.47 | -1473.89 |
| CSE (per unit value) | Percent | -10.69 | -17.10 | -14.03 | -13.06 | -13.71 |
| CSE (per unit quantity) | Ecu/ton | -281.99 | -456.51 | -392.02 | -370.02 | -375.13 |
| | US\$/ton | -276.27 | -406.38 | -309.30 | -484.89 | -369.21 |
| Sheepmeat: | | | | | | |
| Level of consumption | Mil tons | 0.7 | 0.7 | 1.0 | 0.8 | 0.8 |
| Consumer price | Ecu/ton | 8008 | 8488 | 9717 | 7818 | 8508 |
| Cost to consumers | Mil ecu | 5854 | 6349 | 9241 | 5988 | 6858 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -1196.70 | -1208.90 | -1884.41 | -1249.63 | -1384.91 |
| Total policy transfers | Mil ecu | -1196.70 | -1208.90 | -1884.41 | -1249.63 | -1384.91 |
| CSE (per unit value) | Percent | -20.44 | -19.04 | -20.39 | -20.87 | -20.19 |
| CSE (per unit quantity) | Ecu/ton | -1637.07 | -1616.18 | -1981.50 | -1631.37 | -1716.53 |
| | US\$/ton | -1603.84 | -1438.72 | -1563.41 | -2137.85 | -1685.95 |
| Non-fat dry milk: | | | | | | |
| Level of consumption | Mil tons | 1.6 | 2.0 | 2.1 | 1.6 | 1.8 |
| Consumer price | Ecu/ton | 1462 | 1496 | 1659 | 1775 | 1598 |
| Cost to consumers | Mil ecu | 2308 | 2998 | 3444 | 2810 | 2890 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -579.50 | -669.30 | -1102.40 | -870.65 | -805 |
| Total policy transfers | Mil ecu | -579.50 | -669.30 | -1102.40 | -870.65 | -805 |
| CSE (per unit value) | Percent | -25.10 | -22.33 | -32.01 | -30.98 | -27.87 |
| CSE (per unit quantity) | Ecu/ton | -367.00 | -333.98 | -531.02 | -550.00 | -446 |
| | US\$/ton | -359.55 | -297.31 | -418.98 | -720.75 | -449 |

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EC-10 CSE's (Continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------------|
| Cheese: | | | | | | |
| Level of consumption | Mil tons | 3.7 | 3.7 | 3.8 | 3.7 | 3.7 |
| Consumer price | Ecu/ton | 5871 | 6288 | 6748 | 7582 | 6622 |
| Cost to consumers | Mil ecu | 21648 | 23302 | 25642 | 28380 | 24743 |
| Policy transfers to producers: | | | | | | |
| Trade measures | Mil ecu | -3848.50 | -3764.79 | -3497.42 | -3247.68 | -3589.60 |
| Total policy transfers | Mil ecu | -3848.50 | -3764.79 | -3497.42 | -3247.68 | -3589.60 |
| CSE (per unit value) | Percent | -17.78 | -16.16 | -13.64 | -11.44 | -14.51 |
| CSE (per unit quantity) | Ecu/ton | -1043.80 | -1015.86 | -920.37 | -867.67 | -961.93 |
| | US\$/ton | -1022.61 | -904.32 | -726.17 | -1137.04 | -947.54 |
| Butter: | | | | | | |
| Level of consumption : | | | | | | |
| At normal prices | 1000 tons | 1629 | 1506 | 1627 | 1579 | 1585 |
| Cheap sales | 1000 tons | 28 | 32 | NA | NA | 15 |
| Consumer price: | | | | | | |
| At normal prices | Ecu/ton | 4025 | 3994 | 3684 | 3270 | 3743 |
| Cheap sales | Ecu/ton | 1677 | 1162 | NA | NA | 710 |
| Cost to consumers | Mil ecu | 6603 | 6051 | 5994 | 5163 | 5953 |
| Policy transfers to consumers: | | | | | | |
| Trade measures | Mil ecu | -1920.50 | -1918.60 | -2207.84 | -2299.02 | -2086.49 |
| Subsidized sales | Mil ecu | 172.0 | 105.9 | 418.1 | 403.0 | 274.75 |
| Total policy transfers | Mil ecu | -1748.47 | -1812.73 | -1789.74 | -1896.02 | -1811.74 |
| CSE (per unit value) | Percent | -26.5 | -30.0 | -29.9 | -36.7 | -30.4 |
| CSE (per unit quantity) | Ecu/ton | -1055.20 | -1178.63 | -1100.02 | -1200.77 | -1133.66 |
| | US\$/ton | -939.34 | -1049.21 | -867.92 | -1573.57 | -1107.51 |

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EC-10 CSE's (Continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|---------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | |
| Policy transfers by policy: | | | | | | |
| Trade measures | Mil ecu | -27650 | -29224 | -30739 | -34119 | -30433 |
| Consumer subsidies | Mil ecu | 323 | 333 | 299 | 304 | 314 |
| Subsidized sales | Mil ecu | 172 | 106 | 418 | 403 | 275 |
| Policy transfers by commodity: | | | | | | |
| Rice | Mil ecu | -171 | -146 | -197 | -244 | -189 |
| Durum wheat | Mil ecu | -273 | -215 | -403 | -502 | -348 |
| Soft wheat | Mil ecu | -1941 | -725 | -235 | -2561 | -1366 |
| Barley | Mil ecu | -207 | -1378 | -92 | -516 | -548 |
| Corn | Mil ecu | -860 | -14 | -271 | -1447 | -648 |
| Sugar (white) | Mil ecu | -2211 | -1672 | -2779 | -2622 | -2321 |
| Fluid milk | Mil ecu | -2022 | -2089 | -2709 | -2994 | -2454 |
| Beef & Veal | Mil ecu | -9044 | -10901 | -12250 | -11359 | -10888 |
| Pigmeat | Mil ecu | -1943 | -2412 | -1284 | -2425 | -2016 |
| Poultrymeat | Mil ecu | -1110 | -1779 | -1529 | -1477 | -1474 |
| Sheepmeat | Mil ecu | -1197 | -1209 | -1884 | -1250 | -1385 |
| Non-fat dry milk | Mil ecu | -580 | -669 | -1102 | -871 | -805 |
| Cheese | Mil ecu | -3849 | -3765 | -3497 | -3248 | -3590 |
| Butter | Mil ecu | -1748 | -1813 | -1790 | -1896 | -1812 |
| CSE by commodity: | | | | | | |
| Rice | Percent | -9.6 | -6.7 | -11.1 | -13.0 | -10.0 |
| Durum wheat | Percent | -24.1 | -18.3 | -30.1 | -38.5 | -28.1 |
| Soft wheat | Percent | -24.3 | -8.0 | -2.5 | -24.5 | -14.8 |
| Barley | Percent | -3.0 | -19.9 | -1.4 | -7.2 | -8.0 |
| Corn | Percent | -15.9 | -0.2 | -4.9 | -29.6 | -12.1 |
| Sugar (white) | Percent | -29.3 | -21.3 | -33.3 | -32.3 | -29.2 |
| Fluid milk | Percent | -11.6 | -11.6 | -17.0 | -16.1 | -14.0 |
| Beef & Veal | Percent | -12.6 | -14.6 | -16.4 | -14.9 | -14.6 |
| Pigmeat | Percent | -3.5 | -4.2 | -2.1 | -3.4 | -3.3 |
| Poultrymeat | Percent | -10.7 | -17.1 | -14.0 | -13.1 | -13.7 |
| Sheepmeat | Percent | -20.4 | -19.0 | -20.4 | -20.9 | -20.2 |
| Non-fat dry milk | Percent | -25.1 | -22.3 | -32.0 | -31.0 | -27.9 |
| Cheese | Percent | -17.8 | -16.2 | -13.6 | -11.4 | -14.5 |
| Butter | Percent | -26.5 | -30.0 | -29.9 | -36.7 | -30.4 |
| Total policy transfers | Mil ecu | -27155 | -28786 | -30023 | -33412 | -29844 |
| Cost to consumers | Mil ecu | 190665 | 198753 | 203485 | 216413 | 202329 |
| 14-commodity CSE | Percent | -14.2 | -14.5 | -14.8 | -15.4 | -14.8 |

Notes: ecu = European Community unit

NA = data not available

INDIA
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State control | wheat PSE, CSE rice PSE, CSE soybean PSE soymeal CSE soyoil CSE rapeseed PSE rapemeal CSE rapeoil CSE peanut PSE peanut oil PSE, CSE l.s. cotton PSE, CSE m.s. cotton PSE, CSE | Government agencies control trade and support producer prices at minimum support levels. Domestic market prices are insulated from world prices. | Trade prices are adjusted to the producer, processor or consumer level and compared with the appropriate domestic prices (<u>2</u> , <u>3</u> , <u>5</u> , <u>9</u>). |
| Fertilizer (state control) | all PSE's | Government controls fertilizer trade and sells domestic and imported fertilizers at fixed prices. | Import prices are adjusted for transport and compared with fixed domestic sale prices (<u>6</u>). |
| Fertilizer (domestic freight) | all PSE's | Government sells fertilizers at same prices at all railheads in the country; this subsidizes fertilizer freight. | Estimates published in (<u>7</u>). |
| Fertilizer (imported) | all PSE's | Fixed domestic selling prices of some imported fertilizers are below import costs. | Estimates published in (<u>7</u>). |
| Credit (short term) | all PSE's | Short-term institutional production credit is produced at below market rates and used largely to purchase fertilizer. | Estimates of total credit subsidy up to 1981/82 in (<u>8</u>) adjusted for change in total credit extended in 1982/83 and 1983/84 (<u>6</u>). Subsidy is allocated according to the share of short-term credit in total credit and crop shares in total fertilizer use (<u>1</u>). |

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India: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|----------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Credit (medium and long term) | wheat PSE rice PSE rapeseed PSE peanut PSE l.s. cotton PSE m.s. cotton PSE | Medium- and long-term institutional farm credit is produced at below market interest rates and used heavily for irrigation equipment. | Estimates of total credit subsidy up to 1982/83 in (8) are adjusted for change in total credit extended in 1982/83 and 1983/84 (6). Subsidy is allocated according to the share of medium- and long-term credit (6) in total credit and crop shares in irrigated area (4). |
| Rural electrification | wheat PSE rice PSE rapeseed PSE peanut PSE l.s. cotton PSE m.s. cotton PSE | Present charge for electricity in rural areas is below cost of production and distribution. | Estimates of total subsidy up to 1981/82 (10) are adjusted out to 1982/83 and 1983/84 using sectoral GDP deflator and change in power use (10), adjusted for share benefiting agriculture (10), and allocated using crop shares of irrigated area (4). |
| Irrigation | wheat PSE rice PSE rapeseed PSE peanut PSE l.s. cotton PSE m.s. cotton PSE | Government does not recover full cost of operating and maintaining surface irrigation systems. | Estimates of 16 subsidies up to 1981/82 (10) are adjusted out to 1982/83 and 1983/84 using sectoral GDP deflator and change in irrigated area (10), and allocated using crop shares of irrigated area (4). |
| Export duty | m.s. cotton PSE, CSE peanut meal PSE, CSE | Duty affected domestic and export prices. | Estimate based on the level of duty (9). |

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India: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|---------------------|--------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Public distribution | wheat CSE rice CSE | Domestically procured and imported cereals sold through Public Distribution System at below-market prices. | Difference between market retail prices (2) and PDS prices (3) multiplied by amounts sold through PDS (3). |
| Import price policy | soyoil CSE rapeseed oil CSE | Imported soybean and rapeseed oil are sold at administered prices set above import costs. | The difference between import costs and administered prices is multiplied by amounts of imported oil distributed domestically (9). |

INDIA Unmeasured Policies

| Policy instrument | Reason for no measurement |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State control of trade and administered pricing of petroleum, coal, cement, tractors, most plant equipment, investment capital, etc. | The extensive nature of these policies coupled with methodological problems and substantial data requirements makes their estimation impractical. It is conventionally accepted that these policies generally increase local costs above what would occur in an unregulated environment. |
| Official floating exchange rate system | As a result of foreign exchange controls, the rupee is generally considered to be overvalued. There are no broadly accepted measures of the degree of overvaluation. |
| Certified seeds demonstration minikits pesticides | Available estimates suggest that the value is too small to have a significant impact on the total value of subsidies. |
| Government investment in surface irrigation | Data constraints and methodological problems make estimation impractical. |
| Extension, research | Data are inadequate to estimate either total costs or shares applicable to individual crops. |

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India PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Wheat: | | | | | | | |
| Level of production | Mil tons | 36 | 37 | 43 | 45 | 44 | 41 |
| Producer price | Rs/ton | 1565 | 1745 | 1600 | 1711 | 1744 | 1673 |
| Value to producers | Bil Rs | 57 | 65 | 68 | 78 | 77 | 69 |
| Policy transfers to producers: | | | | | | | |
| State control | Bil Rs | -21.71 | -18.15 | -30.11 | -41.14 | -32.76 | -28.77 |
| Fertilizer (state control) | Bil Rs | -0.12 | -0.51 | -1.41 | -1.19 | 1.24 | -0.40 |
| Fertilizer (domestic frgt) | Bil Rs | 0.19 | 0.26 | 0.36 | 0.51 | 0.53 | 0.37 |
| Fertilizer (imported) | Bil Rs | 0.93 | 0.28 | 0.15 | 0.39 | 2.01 | 0.75 |
| Credit (short-term) | Bil Rs | 0.41 | 0.41 | 0.48 | 0.54 | 0.63 | 0.49 |
| Credit (med & long-term) | Bil Rs | 0.28 | 0.28 | 0.32 | 0.39 | 0.43 | 0.34 |
| Rural electrification | Bil Rs | 0.94 | 0.77 | 0.99 | 1.1 | 1.39 | 1.04 |
| Irrigation | Bil Rs | 1.5 | 1.54 | 1.75 | 2.11 | 2.17 | 1.81 |
| Total policy transfers | Bil Rs | -17.58 | -15.12 | -27.47 | -37.29 | -24.36 | -24.36 |
| PSE (per unit value) | Percent | -30.9 | -23.1 | -40.1 | -47.9 | -31.7 | -35.3 |
| PSE (per unit quantity) | Rs/ton | -484.16 | -403.74 | -641.97 | -819.92 | -552.76 | -580.51 |
| | US\$/ton | -51.21 | -39.98 | -56.50 | -66.29 | -43.83 | -51.56 |
| Rice: | | | | | | | |
| Level of production | Mil tons | 53 | 47 | 60 | 58 | 64 | 57 |
| Producer price | Rs/ton | 2090 | 2242 | 2426 | 2487 | 2581 | 2365 |
| Value to producers | Bil Rs | 111 | 106 | 146 | 145 | 166 | 135 |
| Policy transfers to producers: | | | | | | | |
| State control | Bil Rs | -47.40 | -21.95 | -21.61 | -34.44 | -15.25 | -28.13 |
| Fertilizer (state control) | Bil Rs | -0.64 | -1.77 | -1.49 | 1.55 | -0.68 | -0.61 |
| Fertilizer (domestic frgt) | Bil Rs | 0.33 | 0.45 | 0.64 | 0.66 | 0.69 | 0.55 |
| Fertilizer (imported) | Bil Rs | 0.35 | 0.19 | 0.49 | 2.52 | 1.13 | 0.94 |
| Credit (short-term) | Bil Rs | 0.52 | 0.60 | 0.68 | 0.79 | 0.90 | 0.70 |
| Credit (med & long-term) | Bil Rs | 0.3 | 0.34 | 0.41 | 0.46 | 0.52 | 0.41 |
| Rural electrification | Bil Rs | 0.81 | 1.04 | 1.16 | 1.46 | 1.89 | 1.27 |
| Irrigation | Bil Rs | 1.62 | 1.84 | 2.22 | 2.28 | 2.71 | 2.13 |
| Total policy transfers | Bil Rs | -44.11 | -19.26 | -17.50 | -24.72 | -8.09 | -22.74 |
| PSE (per unit value) | Percent | -39.6 | -18.2 | -12.0 | -17.0 | -4.9 | -16.9 |
| PSE (per unit quantity) | Rs/ton | -828.36 | -408.74 | -291.18 | -423.72 | -126.11 | -415.62 |
| | US\$/ton | -87.61 | -40.47 | -25.63 | -34.26 | -10.00 | -39.59 |

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India PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Soybeans: | | | | | | | |
| Level of production | 1000 tons | 467 | 491 | 614 | 955 | 982 | 702 |
| Producer price | Rs/ton | 2580 | 2769 | 3249 | 3366 | 2956 | 2984 |
| Value to producers | Mil Rs | 1205 | 1360 | 1995 | 3215 | 2903 | 2135 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Rs | -165.10 | -155.40 | -392.10 | -185.70 | -387.70 | -257 |
| Fertilizer (state control) | Mil Rs | -5.0 | -14.0 | -12.0 | 13.0 | -6.0 | -4.8 |
| Fertilizer (domestic frgt) | Mil Rs | 3.0 | 4.0 | 5.0 | 5.0 | 6.0 | 4.6 |
| Fertilizer (imported) | Mil Rs | 3.0 | 2.0 | 4.0 | 20.0 | 9.0 | 7.6 |
| Credit (short-term) | Mil Rs | 4.0 | 5.0 | 6.0 | 6.0 | 7.0 | 5.6 |
| Total policy transfers | Mil Rs | -160.1 | -158.4 | -389.1 | -141.7 | -371.7 | -244.2 |
| PSE (per unit value) | Percent | -13.3 | -11.7 | -19.5 | -4.4 | -12.8 | -11.4 |
| PSE (per unit quantity) | Rs/ton | -342.8 | -322.6 | -633.7 | -148.4 | -378.5 | -365.2 |
| | US\$/ton | -36.26 | -31.94 | -55.77 | -12.00 | -30.01 | -33.20 |
| Rapeseed: | | | | | | | |
| Level of production | 1000 tons | 2002 | 2382 | 2207 | 2608 | 3073 | 2454 |
| Producer price | Rs/ton | 3725 | 3993 | 4725 | 3894 | 3422 | 3952 |
| Value to producers | Mil Rs | 7457 | 9511 | 10428 | 10156 | 10516 | 9614 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Rs | 1000.1 | 1746.2 | 1042.4 | -1843.0 | -1866.1 | 15.9 |
| Fertilizer (state control) | Mil Rs | -6.0 | -28.0 | -77.0 | -65.0 | 67.0 | -21.8 |
| Fertilizer (domestic frgt) | Mil Rs | 10.0 | 14.0 | 20.0 | 28.0 | 29.0 | 20.2 |
| Fertilizer (imported) | Mil Rs | 51.0 | 15.0 | 8.0 | 21.0 | 110.0 | 41.0 |
| Credit (short-term) | Mil Rs | 22.0 | 23.0 | 26.0 | 30.0 | 34.0 | 27.0 |
| Credit (med & long-term) | Mil Rs | 18.0 | 18.0 | 21.0 | 25.0 | 28.0 | 22.0 |
| Rural electrification | Mil Rs | 60.0 | 49.0 | 63.0 | 70.0 | 88.0 | 66.0 |
| Irrigation | Mil Rs | 95.0 | 98.0 | 111.0 | 135.0 | 138.0 | 115.4 |
| Total policy transfers | Mil Rs | 1250.1 | 1935.2 | 1214.4 | -1599.0 | -1372.1 | 285.7 |
| PSE (per unit value) | Percent | 16.8 | 20.3 | 11.6 | -15.7 | -13.0 | 3.0 |
| PSE (per unit quantity) | Rs/ton | 624.4 | 812.4 | 550.2 | -613.1 | -446.5 | 185.5 |
| | US\$/ton | 66.04 | 80.45 | 48.42 | -49.57 | -35.41 | 21.99 |

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India PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|---------|---------|---------|---------|----------------|
| Peanuts: | | | | | | | |
| Level of production | 1000 tons | 7223 | 5282 | 7085 | 6436 | 5547 | 6315 |
| Producer price | Rs/ton | 3305 | 3957 | 4155 | 4174 | 4098 | 3938 |
| Value to producers | Mil Rs | 23872 | 20901 | 29438 | 26864 | 22732 | 24761 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Rs | 1808.6 | 6230.1 | 7615.6 | 4426.8 | -41.8 | 4007.9 |
| Fertilizer (state control) | Mil Rs | -51 | -141 | -119 | 124 | -54 | -48 |
| Fertilizer (domestic frgt) | Mil Rs | 26 | 36 | 51 | 53 | 55 | 44 |
| Fertilizer (imported) | Mil Rs | 28 | 15 | 39 | 201 | 90 | 75 |
| Credit (short-term) | Mil Rs | 41 | 48 | 55 | 63 | 72 | 56 |
| Credit (med & long-term) | Mil Rs | 17 | 19 | 23 | 26 | 29 | 23 |
| Rural electrification | Mil Rs | 46 | 59 | 65 | 82 | 106 | 72 |
| Irrigation | Mil Rs | 91 | 104 | 126 | 129 | 153 | 121 |
| Total policy transfers | Mil Rs | 2006.6 | 6370.1 | 7855.6 | 5104.8 | 409.2 | 4349.3 |
| PSE (per unit value) | Percent | 8.4 | 30.5 | 26.7 | 19.0 | 1.8 | 17.3 |
| PSE (per unit quantity) | Rs/ton | 277.8 | 1206.0 | 1108.8 | 793.2 | 73.8 | 691.9 |
| | US\$/ton | 29.38 | 119.42 | 97.58 | 64.13 | 5.85 | 63.27 |
| Cotton (medium staple): | | | | | | | |
| Level of production | 1000 tons | 791 | 686 | 504 | 638 | 637 | 651 |
| Producer price | Rs/ton | 12323 | 9536 | 13639 | 13166 | 10349 | 11803 |
| Value to producers | Mil Rs | 9747 | 6542 | 6874 | 8400 | 6592 | 7631 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Rs | 1133 | -1750 | -961 | -1680 | -1151 | -882 |
| Tariff | Mil Rs | -791 | -686 | -504 | -266 | 0 | -449 |
| Fertilizer (state control) | Mil Rs | -70 | -178 | -141 | 147 | -65 | -61 |
| Fertilizer (domestic frgt) | Mil Rs | 36 | 45 | 61 | 62 | 65 | 54 |
| Fertilizer (imported) | Mil Rs | 38 | 19 | 47 | 239 | 106 | 90 |
| Credit (short-term) | Mil Rs | 57 | 61 | 65 | 75 | 85 | 69 |
| Credit (med & long-term) | Mil Rs | 21 | 22 | 25 | 27 | 31 | 25 |
| Rural electrification | Mil Rs | 56 | 66 | 70 | 88 | 113 | 79 |
| Irrigation | Mil Rs | 112 | 117 | 133 | 137 | 163 | 132 |
| Total policy transfers | Mil Rs | 592 | -2284 | -1205 | -1171 | -653 | -944 |
| PSE (per unit value) | Percent | 6.1 | -34.9 | -17.5 | -13.9 | -9.9 | -14.0 |
| PSE (per unit quantity) | Rs/ton | 747.8 | -3329.2 | -2390.7 | -1835.7 | -1025.4 | -1566.6 |
| | US\$/ton | 79.09 | -329.65 | -210.39 | -148.41 | -81.31 | -138.14 |

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India PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|--------|----------------|
| Cotton (long staple): | | | | | | | |
| Level of production | 1000 tons | 560 | 839 | 821 | 1087 | 1182 | 898 |
| Producer price | Rs/ton | 12730 | 12776 | 14798 | 15724 | 14698 | 14145 |
| Value to producers | Mil Rs | 7129 | 10719 | 12149 | 17092 | 17373 | 12892 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Rs | -1676 | -4197 | -5757 | -4031 | 164 | -3099 |
| Fertilizer (state control) | Mil Rs | -50 | -153 | -138 | 144 | -63 | -52 |
| Fertilizer (domestic frgt) | Mil Rs | 26 | 39 | 59 | 61 | 64 | 50 |
| Fertilizer (imported) | Mil Rs | 27 | 16 | 46 | 234 | 104 | 85 |
| Credit (short-term) | Mil Rs | 41 | 52 | 63 | 73 | 83 | 62 |
| Credit (med & long-term) | Mil Rs | 15 | 19 | 24 | 27 | 30 | 23 |
| Rural electrification | Mil Rs | 40 | 57 | 68 | 86 | 111 | 72 |
| Irrigation | Mil Rs | 80 | 101 | 130 | 134 | 159 | 121 |
| Total policy transfers | Mil Rs | -1497 | -4066 | -5505 | -3272 | 652 | -2737 |
| PSE (per unit value) | Percent | -21.0 | -37.9 | -45.3 | -19.1 | 3.8 | -23.9 |
| PSE (per unit quantity) | Rs/ton | -2672.3 | -4846.1 | -6705.2 | -3009.8 | 551.9 | -3336.3 |
| | US\$/ton | -282.64 | -479.86 | -590.09 | -243.33 | 43.76 | -310.43 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| State control | Mil Rs | -67009 | -38226 | -50172 | -78893 | -51293 | -57118 |
| Fertilizer (state control) | Mil Rs | -942 | -2794 | -3387 | 723 | 439 | -1192 |
| Fertilizer (domestic frgt) | Mil Rs | 621 | 848 | 1196 | 1379 | 1439 | 1097 |
| Fertilizer (imported) | Mil Rs | 1427 | 537 | 784 | 3625 | 3559 | 1986 |
| Credit (short-term) | Mil Rs | 1095 | 1199 | 1375 | 1577 | 1811 | 1411 |
| Credit (med & long-term) | Mil Rs | 651 | 698 | 823 | 955 | 1068 | 839 |
| Rural electrification | Mil Rs | 1952 | 2041 | 2416 | 2886 | 3698 | 2599 |
| Irrigation | Mil Rs | 3498 | 3800 | 4470 | 4925 | 5493 | 4437 |
| Tariff | Mil Rs | -791 | -686 | -504 | -266 | 0 | -449 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil Rs | -17580 | -15120 | -27470 | -37290 | -24360 | -24364 |
| Rice | Mil Rs | -44110 | -19260 | -17500 | -24720 | -8090 | -22736 |
| Soybeans | Mil Rs | -160 | -158 | -389 | -142 | -372 | -244 |
| Rapeseed | Mil Rs | 1250 | 1935 | 1214 | -1599 | -1372 | 286 |
| Peanuts | Mil Rs | 2007 | 6370 | 7856 | 5105 | 409 | 4349 |
| Cotton (med staple) | Mil Rs | 592 | -2284 | -1205 | -1171 | -653 | -944 |
| Cotton (long staple) | Mil Rs | -1497 | -4066 | -5505 | -3272 | 652 | -2737 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | -30.9 | -23.1 | -40.1 | -47.9 | -31.7 | -35.3 |
| Rice | Percent | -39.6 | -18.2 | -12.0 | -17.0 | -4.9 | -16.9 |
| Soybeans | Percent | -13.3 | -11.7 | -19.5 | -4.4 | -12.8 | -11.4 |
| Rapeseed | Percent | 16.8 | 20.3 | 11.6 | -15.7 | -13.0 | 3.0 |
| Peanuts | Percent | 8.4 | 30.5 | 26.7 | 19.0 | 1.8 | 17.3 |
| Cotton (med staple) | Percent | 6.1 | -34.9 | -17.5 | -13.9 | -9.9 | -14.0 |
| Cotton (long staple) | Percent | -21.0 | -37.9 | -45.3 | -19.1 | 3.8 | -23.9 |
| Total policy transfers | Mil Rs | -59498 | -32583 | -42999 | -63089 | -33786 | -46391 |
| Value to producers | Mil Rs | 217528 | 220026 | 275151 | 288634 | 302545 | 260777 |
| 7-commodity PSE | Percent | -27.4 | -14.8 | -15.6 | -21.9 | -11.2 | -17.8 |

Note: Rs = rupees

India CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Wheat: | | | | | | | |
| Level of consumption | Mil tons | 36 | 38 | 42 | 43 | 44 | 41 |
| Consumer price | Rs/t | 1884 | 2108 | 2171 | 1932 | 2123 | 2044 |
| Cost to consumers | Bil Rs | 68 | 80 | 91 | 83 | 93 | 83 |
| Policy transfers to consumers: | | | | | | | |
| State control | Bil Rs | 11.47 | 6.98 | 8.57 | 29.62 | 16.40 | 14.61 |
| Public distribution | Bil Rs | 2.57 | 3.68 | 2.43 | 1.03 | 3.79 | 2.70 |
| Total policy transfers | Bil Rs | 14.04 | 10.66 | 11.00 | 30.65 | 20.19 | 17.31 |
| CSE (per unit value) | Percent | 20.5 | 13.4 | 12.1 | 36.8 | 21.8 | 20.8 |
| CSE (per unit quantity) | Rs/t | 386.67 | 281.71 | 261.72 | 711.47 | 461.80 | 420.67 |
| | US\$/ton | 40.90 | 27.90 | 23.03 | 62.61 | 40.64 | 39.02 |
| Rice: | | | | | | | |
| Level of consumption | Mil tons | 54 | 49 | 58 | 57 | 62 | 56 |
| Consumer price | Rs/t | 2535 | 3057 | 3103 | 2929 | 3024 | 2930 |
| Cost to consumers | Bil Rs | 137 | 148 | 181 | 166 | 189 | 164 |
| Policy transfers to consumers: | | | | | | | |
| State control | Bil Rs | 27.80 | -8.68 | -9.13 | -15.05 | -3.50 | -1.71 |
| Public distribution | Bil Rs | 5.73 | 9.29 | 7.55 | 5.87 | 6.13 | 6.91 |
| Total policy transfers | Bil Rs | 33.53 | 0.61 | -1.58 | -9.18 | 2.63 | 5.20 |
| CSE (per unit value) | Percent | 24.46 | 0.41 | -0.87 | -5.53 | 1.39 | 3.17 |
| CSE (per unit quantity) | Rs/t | 620.01 | 12.58 | -27.13 | -161.93 | 42.14 | 97.13 |
| | US\$/ton | 65.57 | 1.25 | -2.39 | -14.25 | 3.71 | 10.78 |
| Soybean oil: | | | | | | | |
| Level of consumption | 1000 tons | 553 | 543 | 763 | 587 | 474 | 584 |
| Consumer price | Rs/t | 8000 | 9000 | 10070 | 10400 | 12050 | 9904 |
| Cost to consumers | Mil Rs | 4424 | 4887 | 7683 | 6105 | 5712 | 5762 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | -257.5 | -331.5 | -164.6 | -255.6 | -1084.1 | -418.7 |
| Import price policy | Mil Rs | -1693.4 | -2036.8 | -1157.1 | -751.5 | -2252.7 | -1578.3 |
| Total policy transfers | Mil Rs | -1950.9 | -2368.3 | -1321.7 | -1007.1 | -3336.8 | -1997.0 |
| CSE (per unit value) | Percent | -44.1 | -48.5 | -17.2 | -16.5 | -58.4 | -34.7 |
| CSE (per unit quantity) | Rs/t | -3527.85 | -4361.51 | -1732.24 | -1715.67 | -7039.66 | -3675.39 |
| | US\$/ton | -373.12 | -431.88 | -152.45 | -150.99 | -619.52 | -345.59 |
| Soybean meal: | | | | | | | |
| Level of consumption | 1000 tons | 124 | 112 | 172 | 313 | 233 | 191 |
| Consumer price | Rs/t | 1686 | 1851 | 2280 | 1757 | 2104 | 1936 |
| Cost to consumers | Mil Rs | 209 | 207 | 392 | 550 | 490 | 370 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | 104.1 | 81.8 | 94.2 | 191.1 | 155.3 | 125.30 |
| Total policy transfers | Mil Rs | 104.1 | 81.8 | 94.2 | 191.1 | 155.3 | 125.30 |
| CSE (per unit value) | Percent | 49.8 | 39.5 | 24.0 | 34.7 | 31.7 | 33.9 |
| CSE (per unit quantity) | Rs/t | 839.52 | 730.36 | 547.67 | 610.54 | 666.52 | 678.92 |
| | US\$/ton | 88.79 | 72.32 | 48.20 | 53.73 | 58.66 | 64.34 |

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India CSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Rapeseed oil: | | | | | | | |
| Level of consumption | 1000 tons | 746 | 852 | 787 | 911 | 1204 | 900 |
| Consumer price | Rs/t | 15020 | 14195 | 17119 | 16467 | 14344 | 15429 |
| Cost to consumers | Mil Rs | 11205 | 12094 | 13473 | 15001 | 17270 | 13809 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | -5930.9 | -6637.4 | -6663.6 | -4972.4 | -5682.5 | -5977.4 |
| Import price policy | Mil Rs | -750.2 | -624.5 | -816.1 | -1308.0 | -513.9 | -802.5 |
| Total policy transfers | Mil Rs | -6681.1 | -7261.9 | -7479.7 | -6280.4 | -6196.4 | -6779.9 |
| CSE (per unit value) | Percent | -59.6 | -60.0 | -55.5 | -41.9 | -35.9 | -49.1 |
| CSE (per unit quantity) | Rs/t | -8955.90 | -8523.36 | -9504.07 | -6893.96 | -5146.51 | -7804.76 |
| | US\$/ton | -947.21 | -843.98 | -836.40 | -606.70 | -452.92 | -737.44 |
| Rapeseed meal: | | | | | | | |
| Level of consumption | 1000 tons | 1073 | 1226 | 1194 | 1288 | 1838 | 1324 |
| Consumer price | Rs/t | 1295 | 1138 | 1543 | 1540 | 1239 | 1351 |
| Cost to consumers | Mil Rs | 1390 | 1395 | 1842 | 1984 | 2277 | 1778 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | 917.2 | 1052.3 | 907.5 | 266.2 | 1010.2 | 830.7 |
| Total policy transfers | Mil Rs | 917.2 | 1052.3 | 907.5 | 266.2 | 1010.2 | 830.7 |
| CSE (per unit value) | Percent | 66.0 | 75.4 | 49.3 | 13.4 | 44.4 | 46.7 |
| CSE (per unit quantity) | Rs/t | 854.80 | 858.32 | 760.05 | 206.68 | 549.62 | 645.89 |
| | US\$/ton | 90.41 | 84.99 | 66.89 | 18.19 | 48.37 | 61.77 |
| Peanut oil: | | | | | | | |
| Level of consumption | 1000 tons | 1615 | 1281 | 1608 | 1520 | 1320 | 1469 |
| Consumer price | Rs/t | 14430 | 15511 | 17253 | 16614 | 17753 | 16312 |
| Cost to consumers | Mil Rs | 23304 | 19870 | 27743 | 25253 | 23434 | 23921 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | -11982.0 | -11348.8 | -7712.6 | -7712.6 | -7712.6 | -9293.7 |
| Total policy transfers | Mil Rs | -11982.0 | -11348.8 | -7712.6 | -7712.6 | -7712.6 | -9293.7 |
| CSE (per unit value) | Percent | -51.4 | -57.1 | -27.8 | -30.5 | -32.9 | -38.9 |
| CSE (per unit quantity) | Rs/t | -7419.20 | -8859.33 | -4796.39 | -5074.08 | -5842.88 | -6398.37 |
| | US\$/ton | -784.68 | -877.25 | -422.11 | -446.54 | -514.20 | -608.96 |
| Peanut meal: | | | | | | | |
| Level of consumption | 1000 tons | 2079 | 1632 | 2028 | 1976 | 1711 | 1885 |
| Consumer price | Rs/t | 1398 | 1535 | 1708 | 1800 | 2106 | 1709 |
| Cost to consumers | Mil Rs | 2906 | 2505 | 3464 | 3557 | 3603 | 3207 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | 1504.0 | 1054.8 | 1186.6 | 949.8 | 692.8 | 1077.6 |
| Export duty | Mil Rs | 259.9 | 102.0 | 0.0 | 0.0 | 0.0 | 72.4 |
| Total policy transfers | Mil Rs | 1763.9 | 1156.8 | 1186.6 | 949.8 | 692.8 | 1150.0 |
| CSE (per unit value) | Percent | 60.7 | 46.2 | 34.3 | 26.7 | 19.2 | 35.9 |
| CSE (per unit quantity) | Rs/t | 848.44 | 708.82 | 585.11 | 480.67 | 404.91 | 605.59 |
| | US\$/ton | 89.73 | 70.19 | 51.49 | 42.30 | 35.63 | 57.87 |

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India CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Cotton (medium staple): | | | | | | | |
| Level of consumption | 1000 tons | 652 | 681 | 677 | 667 | 626 | 661 |
| Consumer price | Rs/t | 12526 | 11240 | 15140 | 15100 | 10130 | 12827 |
| Cost to consumers | Mil Rs | 8167 | 7654 | 10250 | 10072 | 6341 | 8497 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | 350.4 | 2145.5 | 2045.6 | 1845.2 | 2464.7 | 1770.3 |
| Export duty | Mil Rs | 652.0 | 681.0 | 677.0 | 278.1 | 0.0 | 457.6 |
| Total policy transfers | Mil Rs | 1002.4 | 2826.5 | 2722.6 | 2123.3 | 2464.7 | 2227.9 |
| CSE (per unit value) | Percent | 12.3 | 36.9 | 26.6 | 21.1 | 38.9 | 26.2 |
| CSE (per unit quantity) | Rs/t | 1537.42 | 4150.51 | 4021.57 | 3183.36 | 3937.22 | 3366.02 |
| | US\$/ton | 162.60 | 410.98 | 353.92 | 280.15 | 346.49 | 310.83 |
| Cotton (long staple): | | | | | | | |
| Level of consumption | 1000 tons | 651 | 709 | 763 | 883 | 940 | 789 |
| Consumer price | Rs/t | 14720 | 14980 | 17310 | 15890 | 14980 | 15576 |
| Cost to consumers | Mil Rs | 9583 | 10621 | 13208 | 14031 | 14081 | 12305 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Rs | 1360.9 | 2834.4 | 4526.3 | 4486.7 | 1142.5 | 2870.2 |
| Total policy transfers | Mil Rs | 1360.9 | 2834.4 | 4526.3 | 4486.7 | 1142.5 | 2870.2 |
| CSE (per unit value) | Percent | 14.2 | 26.7 | 34.3 | 32.0 | 8.1 | 23.3 |
| CSE (per unit quantity) | Rs/t | 2090.48 | 3997.74 | 5932.24 | 5081.20 | 1215.43 | 3663.42 |
| | US\$/ton | 221.10 | 395.86 | 522.07 | 447.17 | 106.96 | 338.63 |

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India CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|--------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| State control | Mil Rs | 25336 | -12849 | -6341 | 9368 | 3886 | 3880 |
| Public distribution | Mil Rs | 8300 | 12970 | 9980 | 6900 | 9920 | 9614 |
| Import price policy | Mil Rs | -2444 | -2661 | -1973 | -2060 | -2767 | -2381 |
| Export duty | Mil Rs | 912 | 783 | 677 | 278 | 0 | 530 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil Rs | 14040 | 10660 | 11000 | 30650 | 20190 | 17308 |
| Rice | Mil Rs | 33530 | 610 | -1580 | -9180 | 2630 | 5202 |
| Soybean oil | Mil Rs | -1951 | -2368 | -1322 | -1007 | -3337 | -1997 |
| Soybean meal | Mil Rs | 104 | 82 | 94 | 191 | 155 | 125 |
| Rapeseed oil | Mil Rs | -6681 | -7262 | -7480 | -6280 | -6196 | -6780 |
| Rapeseed meal | Mil Rs | 917 | 1052 | 908 | 266 | 1010 | 831 |
| Peanut oil | Mil Rs | -11982 | -11349 | -7713 | -7713 | -7713 | -9294 |
| Peanut meal | Mil Rs | 1764 | 1157 | 1187 | 950 | 693 | 1150 |
| Cotton (medium staple) | Mil Rs | 1002 | 2827 | 2723 | 2123 | 2465 | 2228 |
| Cotton (long staple) | Mil Rs | 1361 | 2834 | 4526 | 4487 | 1143 | 2870 |
| CSE by commodity: | | | | | | | |
| Wheat | Percent | 20.5 | 13.4 | 12.1 | 36.8 | 21.8 | 20.8 |
| Rice | Percent | 24.5 | 0.4 | -0.9 | -5.5 | 1.4 | 3.2 |
| Soybean oil | Percent | -44.1 | -48.5 | -17.2 | -16.5 | -58.4 | -34.7 |
| Soybean meal | Percent | 49.8 | 39.5 | 24.0 | 34.7 | 31.7 | 33.9 |
| Rapeseed oil | Percent | -59.6 | -60.0 | -55.5 | -41.9 | -35.9 | -49.1 |
| Rapeseed meal | Percent | 66.0 | 75.4 | 49.3 | 13.4 | 44.4 | 46.7 |
| Peanut oil | Percent | -51.4 | -57.1 | -27.8 | -30.5 | -32.9 | -38.9 |
| Peanut meal | Percent | 60.7 | 46.2 | 34.3 | 26.7 | 19.2 | 35.9 |
| Cotton (medium staple) | Percent | 12.3 | 36.9 | 26.6 | 21.1 | 38.9 | 26.2 |
| Cotton (long staple) | Percent | 14.2 | 26.7 | 34.3 | 32.0 | 8.1 | 23.3 |
| Total policy transfers | Mil Rs | 32105 | -1757 | 2343 | 14487 | 11040 | 11643 |
| Cost to consumers | Mil Rs | 266689 | 287265 | 349989 | 325828 | 354755 | 316905 |
| 10-crop CSE | Percent | 12.0 | -0.6 | 0.7 | 4.4 | 3.1 | 3.7 |

Note: Rs = rupees

INDONESIA
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|--------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State control | rice PSE, CSE | The Government controls imports and procures about 10 percent of the rice crop. These interventions have successfully defended the floor price (except in 1985) for rice producers and the ceiling price for consumers. | The import price (<u>4</u>) reflects Thai 25% broken (c.i.f.) converted to rupiah price using period average exchange rate (<u>1</u>). Producer support price (<u>2</u>) is used as a proxy for the average farmgate price. The average retail price for medium quality rice is used for the consumer price (<u>2</u>). |
| Inputs assistance | rice PSE | The Government subsidizes fertilizer, seed, pesticides, and administrative costs of the BIMAS rice intensification program. | Rice is allocated an increasing share (64% to 70%) of the actual development expenditures' (<u>3</u>) fertilizer subsidy. |
| Irrigation subsidy | rice PSE | The Government subsidizes development and maintenance. | About 85% of expenditures are subsidized. Based upon the ratio of irrigated rice area to total irrigated area, rice is estimated to account for 80% of this subsidy. |

INDONESIA
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|---------------------|------------------------------------------|
| Agricultural credit | Data not available in sufficient detail. |

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2. _____. Unpublished data.
3. Ministry of Finance, Indonesia. Monthly Statistical Bulletin. Various issues.
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5. World Bank. Indonesia Strategy for Economic Recovery. May 5, 1987, p. 106.

Indonesia PSE's

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|-------|------|-------|-------|-------|----------------|
| Rice: | | | | | | | |
| Level of production | Mil tons | 23 | 24 | 26 | 27 | 26 | 25 |
| Producer price | rupiah/kg | 214 | 238 | 270 | 285 | 285 | 258 |
| Value to producers | Bil rupiah | 4888 | 5714 | 7001 | 7564 | 7496 | 6533 |
| Policy transfers to producers: | | | | | | | |
| State control | Bil rupiah | 640 | -333 | -63 | 725 | 819 | 358 |
| Inputs assistance | Bil rupiah | 281 | 220 | 505 | 334 | 470 | 362 |
| Irrigation subsidy | Bil rupiah | 194 | 194 | 240 | 284 | 189 | 220 |
| Total policy transfers | Bil rupiah | 1115 | 81 | 682 | 1343 | 1478 | 940 |
| PSE (per unit value) | Percent | 22.8 | 1.4 | 9.7 | 17.8 | 19.7 | 14.4 |
| PSE (per unit quantity) | Rupiah/kg | 48.82 | 3.37 | 26.30 | 50.60 | 56.20 | 37.06 |
| | US\$/ton | 73.81 | 3.71 | 25.64 | 45.56 | 43.82 | 38.51 |

Indonesia CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|------------|---------|--------|---------|---------|---------|----------------|
| Rice: | | | | | | | |
| Level of consumption | Mil tons | 24 | 25 | 25 | 26 | 27 | 25 |
| Consumer price | Rupiah/kg | 259 | 307 | 333 | 324 | 347 | 314 |
| Cost to consumers | Bil rupiah | 6128 | 7767 | 8388 | 8424 | 9369 | 8015 |
| Policy transfers to consumers: | | | | | | | |
| State control | Bil rupiah | -1720.0 | -895.0 | -1888.0 | -1722.0 | -2475.0 | -1740.0 |
| Total policy transfers | Bil rupiah | -1720.0 | -895.0 | -1888.0 | -1722.0 | -2475.0 | -1740.0 |
| PSE (per unit value) | Percent | -28.1 | -11.5 | -22.5 | -20.4 | -26.4 | -21.7 |
| PSE (per unit quantity) | Rupiah/kg | -72.7 | -35.4 | -75.0 | -66.2 | -91.7 | -68.2 |
| | US\$/ton | -109.91 | -38.91 | -73.06 | -64.56 | -89.35 | -75.16 |

JAPAN
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voluntary marketing subsidy | rice PSE | Subsidy for marketing rice outside Food Agency | Subsidy published in (8). |
| State control | rice CSE, PSE wheat CSE, PSE barley CSE, PSE fluid milk CSE, PSE mfg. milk PSE beef CSE, PSE dairy products CSE | The Food Agency controlled the purchase and marketing of domestic and imported rice, wheat, and barley. The Livestock Industry Promotion Corporation (LIPC) was involved in the procurement, storage, marketing, and trade of beef and dairy products. It directly controlled imports of designated dairy products and most beef. | Grain calculations are based on difference between domestic and trade prices. Price for standard grade of Japanese rice (6) was compared with California medium-grain rice prices (11) plus an allowance for transport costs. Internal support prices for barley and wheat (7) were compared with import unit values (9). For drinking milk and mfg. milk, calculation compared domestic milk prices with those of imported butter and skim milk powder (5) converted to fluid basis (assuming 1 kg of milk is equivalent to 37.1 g of butter plus 76.1 g of SMP). Beef calculations based on difference between Japanese wholesale price for dairy beef (4) and wholesale price for U.S. choice steer beef (10) adjusted for ocean freight costs and an import duty of 25 percent. |
| Crop insurance | all PSE's | The Government subsidized agricultural insurance for many crop and livestock activities. Insurance programs were administered by Agricultural Mutual Relief Associations established in many rural communities by producers. The Government subsidized farmers' premiums and association operating costs. | Ministry of Agriculture, Forestry, and Fisheries (MAFF) expenditures on insurance were allocated in proportion to commodity's share of gross agricultural income. |

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Japan: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inputs assistance | all PSE's | Input subsidies and structural measures include such programs as rural electrification, research and extension, subsidies to farm pension plans, and land development programs. | Ministry of Agriculture, Forestry, and Fisheries budget expenditures for agriculturally related land and structural improvement programs are allocated in proportion to a commodity's share of agricultural land (7). Expenditures on credit, research and extension, disaster relief, and farmers' pensions are allocated in proportion to a commodity's contribution to gross agricultural income (7). |
| Paddy Field Reorientation program payments | wheat PSE barley PSE soybeans PSE beet sugar PSE | Under the Government's Paddy Field Reorientation Program (riceland diversion program), payments are given to rice producers who plant alternative crops. | Allocated in proportion to rice area diverted to crop (12). |
| Deficiency payments | soybeans PSE mfg. milk PSE | Government assistance to oilseed and dairy producers. Payments to oilseed producers come out of the MAFF general account. Those for dairy producers are made by the Livestock Industries Promotion Corporation. | MAFF budget data (7). For mfg. milk, calculations were based on deficiency payment times quantity eligible for support (12). |
| Tariff | beet sugar PSE cane sugar PSE beef PSE, CSE chickenmeat PSE, CSE dairy products CSE sugar CSE | Tariffs are used to protect producers of livestock and dairy, sugar, citrus, and other agricultural products. | For sugar beet and cane, tariff rate of 43.45 yen/kg (refined) was multiplied by production. For beef, tariff is 25 percent <u>ad valorem</u> . For chickenmeat, calculation was based on trade-weighted average tariff rate of 17.3 percent (1982-84). For cheese, value of nonquota imports was multiplied by 35-percent tariff. Citrus tariff calculation was based on seasonal tariff rates for fresh oranges of 40 percent for Dec.-May and 20 percent for June-November, multiplied by seasonal import volumes. (Trade-weighted average tariff rate for 1982-84 equals 26 percent.) Tariff rates were found in (1). |

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Japan: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|---------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Price stabilization | beet sugar PSE cane sugar PSE sugar CSE | The Japan Raw Silk and Sugar Price Stabilization Corporation (JRSSPSC) assists sugar cane and beet producers through a price support and stabilization system that imposes levies and surcharges on imported sugar when import prices are low, and pays rebates to refiners when import prices are high. | Sugar calculations based on comparisons of domestic beet and sugarcane prices with tariff-adjusted import prices. Citrus calculations based on difference between weighted average wholesale price of Japanese mandarins and summer oranges, and import unit value plus trade-weighted average tariff for fresh imported oranges. |
| Variable levy | pigmeat PSE, CSE | A variable-levy system is used to protect Japanese pork producers by keeping import prices between pre-set floor and ceiling levels. | Calculated effect of the variable levy on pork based on difference between Japanese average wholesale price, carcass basis (4), and pork price in United States (wholesale cut-out value, 165 lb. carcass, U.S. No. 2 grade, carlot basis), adjusted for ocean freight costs. |
| Tariff quota | corn CSE | All corn imported for nonfeed uses is subject to tariffs or a tariff quota to protect various domestic industries, such as potato producers (starch) and bonded feed mills. | Imports within the quota for use in the manufacturing of starch, ethyl alcohol, alcoholic drinks, and corn flakes are exempt from duty. Imports outside the quota are subject to a 15 yen/kg duty. Imports for other uses are subject to a 10-percent duty within the quota and 15 yen/kg duty outside it. |
| LIPC assistance | fluid milk PSE mfg. milk PSE beef PSE pigmeat PSE chickenmeat PSE | The Livestock Industry Promotion Corporation (LIPC) administers several programs which provide input assistance to livestock industries. | LIPC assistance allocated in proportion to commodity's share of total livestock output. |
| School lunch scheme | rice CSE fluid milk CSE | Government subsidies on rice and milk for school lunches reduce consumer costs. | Rice subsidies published in (3). Milk subsidies found in (2). |
| Excise tax | sugar CSE | Tax on sugar consumption | Tax calculated by consumption multiplied by 16 yen/kg. |

JAPAN
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|---------------------------------------------------------------------|---------------------------|
| Assistance to citrus producers via import quotas on juice | Insufficient data |
| Prefectural programs | Insufficient data |
| Input tariff/taxes on machinery, fertilizer, chemicals, and feed | Insufficient data |

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Japan PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Rice: | | | | | | | |
| Level of production | Mil tons | 10.27 | 10.37 | 11.88 | 11.66 | 11.65 | 11.17 |
| Producer price | Yen/kg | 299 | 304 | 311 | 311 | 311 | 307 |
| Value to producers | Bil Yen | 3199 | 3273 | 3808 | 3734 | 3729 | 3549 |
| Policy transfers to producers: | | | | | | | |
| Voluntary marketing subsidy* | Bil Yen | 126.10 | 116.10 | 112.30 | 106.60 | 104.20 | 113.06 |
| State control | Bil Yen | 2174.88 | 2353.89 | 2805.70 | 2743.83 | 3025.62 | 2620.78 |
| Crop insurance | Bil Yen | 59.00 | 64.00 | 66.00 | 62.00 | 62.00 | 62.60 |
| Inputs assistance | Bil Yen | 352.00 | 339.00 | 340.00 | 325.00 | 325.00 | 336.20 |
| Total policy transfers | Bil Yen | 2711.98 | 2872.99 | 3324.00 | 3237.43 | 3516.82 | 3132.64 |
| PSE (per unit value) | Percent | 84.8 | 87.8 | 87.3 | 86.7 | 94.3 | 88.3 |
| PSE (per unit quantity) | Yen/kg | 264.07 | 277.05 | 279.80 | 277.65 | 301.87 | 280.09 |
| | US\$/ton | 1060.51 | 1164.07 | 1175.62 | 1161.73 | 1786.23 | 1269.63 |
| Wheat: | | | | | | | |
| Level of production | 1000 tons | 742 | 695 | 741 | 874 | 876 | 786 |
| Producer price | Yen/kg | 184 | 185 | 185 | 185 | 183 | 184 |
| Value to producers | Bil Yen | 179 | 170 | 169 | 190 | 187 | 179 |
| Policy transfers to producers: | | | | | | | |
| PFRP payments* | Bil Yen | 42.00 | 41.00 | 32.00 | 28.00 | 27.00 | 34.00 |
| State control | Bil Yen | 103.07 | 98.79 | 106.51 | 128.01 | 139.90 | 115.26 |
| Crop insurance | Bil Yen | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Inputs assistance | Bil Yen | 24.00 | 23.00 | 23.00 | 24.00 | 24.00 | 23.60 |
| Total policy transfers | Bil Yen | 171.07 | 164.79 | 163.51 | 182.01 | 192.90 | 174.86 |
| PSE (per unit value) | percent | 95.8 | 97.2 | 96.8 | 96.0 | 103.1 | 97.8 |
| PSE (per unit quantity) | yen/kg | 230.61 | 237.01 | 220.81 | 208.25 | 220.21 | 223.38 |
| | \$/ton | 926.16 | 995.82 | 927.77 | 871.34 | 1302.99 | 1004.82 |
| Barley: | | | | | | | |
| Level of production: | | | | | | | |
| 2,6-row | 1000 tons | 342 | 340 | 353 | 340 | 314 | 338 |
| Naked | 1000 tons | 48 | 39 | 43 | 38 | 30 | 40 |
| Producer price: | | | | | | | |
| 2,6-row | Yen/kg | 167 | 167 | 167 | 167 | 165 | 167 |
| Naked | Yen/kg | 190 | 191 | 191 | 191 | 189 | 190 |
| Value to producers | Bil Yen | 82 | 79 | 77 | 73 | 71 | 77 |
| Policy transfers to producers: | | | | | | | |
| PFRP payments* | Bil Yen | 16.00 | 15.00 | 10.00 | 9.00 | 14.00 | 12.80 |
| State control | Bil Yen | 49.50 | 46.40 | 48.90 | 51.00 | 49.00 | 48.96 |
| Crop insurance | Bil Yen | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inputs assistance | Bil Yen | 13.00 | 12.00 | 11.00 | 11.00 | 10.00 | 11.40 |
| Total policy transfers | Bil Yen | 79.50 | 74.40 | 70.90 | 72.00 | 74.00 | 74.16 |
| PSE (per unit value) | Percent | 96.9 | 93.7 | 91.9 | 98.4 | 103.7 | 96.8 |
| PSE (per unit quantity) | Yen/kg | 204.00 | 196.10 | 179.27 | 190.43 | 215.12 | 196.98 |
| | US\$/ton | 819.29 | 823.95 | 753.22 | 796.76 | 1272.88 | 893.22 |

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Japan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Soybeans: | | | | | | | |
| Level of production | 1000 tons | 226 | 217 | 238 | 228 | 245 | 231 |
| Producer price | Yen/kg | 207 | 181 | 203 | 164 | 188 | 189 |
| Value to producers | Bil Yen | 117 | 109 | 101 | 95 | 97 | 104 |
| Policy transfers to producers: | | | | | | | |
| Deficiency payments* | Bil Yen | 18.00 | 23.00 | 20.00 | 28.00 | 23.00 | 22.40 |
| PFRP payments* | Bil Yen | 52.00 | 47.00 | 33.00 | 30.00 | 28.00 | 38.00 |
| Crop insurance | Bil Yen | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inputs assistance | Bil Yen | 14.00 | 13.00 | 12.00 | 12.00 | 12.00 | 12.60 |
| Total policy transfers | Bil Yen | 85.00 | 84.00 | 66.00 | 71.00 | 64.00 | 74.00 |
| PSE (per unit value) | Percent | 72.7 | 76.9 | 65.2 | 74.4 | 65.9 | 71.2 |
| PSE (per unit quantity) | Yen/kg | 375.61 | 386.74 | 277.31 | 311.40 | 261.22 | 322.46 |
| | US\$/ton | 1508.46 | 1624.96 | 1165.17 | 1302.94 | 1545.71 | 1429.45 |
| Beet sugar: | | | | | | | |
| Level of production (refined) | 1000 tons | 614 | 469 | 598 | 574 | 607 | 572 |
| Producer price (refined) | Yen/kg | 250 | 250 | 243 | 241 | 235 | 244 |
| Value to producers | Bil Yen | 155 | 119 | 146 | 139 | 144 | 141 |
| Policy transfers to producers: | | | | | | | |
| PFRP payments* | Bil Yen | 2.00 | 2.00 | 1.00 | 1.00 | 1.00 | 1.40 |
| Tariff | Bil Yen | 26.70 | 20.40 | 26.00 | 24.90 | 26.40 | 24.88 |
| Price stabilization | Bil Yen | 53.60 | 48.20 | 64.70 | 61.30 | 66.20 | 58.80 |
| Crop insurance | Bil Yen | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inputs assistance | Bil Yen | 9.00 | 9.00 | 9.00 | 9.00 | 8.00 | 8.80 |
| Total policy transfers | Bil Yen | 92.30 | 80.60 | 101.70 | 97.20 | 102.60 | 94.88 |
| PSE (per unit value) | Percent | 59.5 | 67.5 | 69.6 | 69.8 | 71.5 | 67.4 |
| PSE (per unit quantity) | Yen/kg | 150.33 | 171.86 | 170.07 | 169.34 | 169.03 | 166.12 |
| | US\$/ton | 603.72 | 722.08 | 714.57 | 708.53 | 1000.17 | 749.81 |
| Cane sugar: | | | | | | | |
| Level of production (refined) | 1000 tons | 244 | 283 | 271 | 285 | 258 | 268 |
| Producer price | Yen/kg | 357 | 358 | 358 | 358 | 358 | 358 |
| Value to producers | Bil Yen | 87 | 101 | 97 | 102 | 92 | 96 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Bil Yen | 10.60 | 12.30 | 11.80 | 12.40 | 11.20 | 11.66 |
| Price stabilization | Bil Yen | 47.20 | 58.10 | 57.50 | 58.70 | 55.90 | 55.48 |
| Crop insurance | Bil Yen | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inputs assistance | Bil Yen | 6.00 | 6.00 | 6.00 | 6.00 | 5.00 | 5.80 |
| Total policy transfers | Bil Yen | 64.80 | 77.40 | 76.30 | 78.10 | 73.10 | 73.94 |
| PSE (per unit value) | Percent | 74.3 | 76.4 | 78.7 | 76.6 | 79.2 | 77.1 |
| PSE (per unit quantity) | Yen/kg | 265.57 | 273.50 | 281.55 | 274.04 | 283.33 | 275.60 |
| | US\$/ton | 1066.56 | 1149.15 | 1182.98 | 1146.59 | 1676.53 | 1244.36 |

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Japan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Fluid milk: | | | | | | | |
| Level of production | 1000 tons | 4215 | 4272 | 4320 | 4307 | 4324 | 4288 |
| Producer price | Yen/kg | 108 | 109 | 108 | 108 | 103 | 107 |
| Value to producers | Bil Yen | 455 | 465 | 468 | 465 | 445 | 460 |
| Policy transfers to producers: | | | | | | | |
| State control | Bil Yen | 275.50 | 316.10 | 343.30 | 354.30 | 376.00 | 333.04 |
| LIPC assistance | Bil Yen | 4.00 | 4.00 | 5.00 | 3.00 | 3.00 | 3.80 |
| Crop insurance | Bil Yen | 9.00 | 10.00 | 9.00 | 9.00 | 9.00 | 9.20 |
| Inputs assistance | Bil Yen | 82.00 | 79.00 | 74.00 | 70.00 | 70.00 | 75.00 |
| Total policy transfers | Bil Yen | 370.50 | 409.10 | 431.30 | 436.30 | 458.00 | 421.04 |
| PSE (per unit value) | Percent | 81.5 | 87.9 | 92.1 | 93.7 | 102.9 | 91.6 |
| PSE (per unit quantity) | Yen/kg | 87.90 | 95.76 | 99.84 | 101.30 | 105.92 | 98.14 |
| | US\$/ton | 353.01 | 402.37 | 419.49 | 423.85 | 626.75 | 445.09 |
| Manufacturing milk: | | | | | | | |
| Level of production | 1000 tons | 2385 | 2660 | 2709 | 2966 | 2970 | 2738 |
| Producer price | Yen/kg | 65 | 68 | 69 | 70 | 70 | 68 |
| Value to producers | Bil Yen | 202 | 228 | 234 | 254 | 248 | 233 |
| Policy transfers to producers: | | | | | | | |
| Deficiency payment* | Bil Yen | 47.20 | 46.30 | 46.38 | 45.77 | 41.47 | 45.42 |
| State control | Bil Yen | 89.20 | 130.20 | 148.10 | 173.30 | 204.80 | 149.12 |
| LIPC assistance | Bil Yen | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.20 |
| Crop insurance | Bil Yen | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Inputs assistance | Bil Yen | 27.00 | 26.00 | 25.00 | 23.00 | 23.00 | 24.80 |
| Total policy transfers | Bil Yen | 167.40 | 206.50 | 224.48 | 246.07 | 273.27 | 223.54 |
| PSE (per unit value) | Percent | 83.0 | 90.5 | 96.0 | 96.9 | 110.2 | 95.9 |
| PSE (per unit quantity) | Yen/kg | 70.19 | 77.63 | 82.86 | 82.96 | 92.01 | 81.13 |
| | US\$/ton | 281.88 | 326.18 | 348.17 | 347.13 | 544.44 | 369.56 |
| Beef: | | | | | | | |
| Level of production | 1000 tons | 481 | 495 | 536 | 555 | 559 | 525 |
| Producer price (wholesale) | Yen/kg | 1475 | 1484 | 1472 | 1511 | 1557 | 1500 |
| Value to producers | Bil Yen | 710 | 735 | 789 | 839 | 870 | 788 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Bil Yen | 82.41 | 82.6 | 86.1 | 82.57 | 57.57 | 78.25 |
| State control | Bil Yen | 219.52 | 235.43 | 268.44 | 328.61 | 474.62 | 305.32 |
| LIPC assistance | Bil Yen | 4.00 | 3.00 | 5.00 | 4.00 | 4.00 | 4.00 |
| Insurance | Bil Yen | 8.00 | 9.00 | 9.00 | 9.00 | 9.00 | 8.80 |
| Inputs assistance | Bil Yen | 75.00 | 71.00 | 71.00 | 72.00 | 72.00 | 72.20 |
| Total policy transfers | Bil Yen | 388.93 | 401.03 | 439.54 | 496.18 | 617.19 | 468.57 |
| PSE (per unit value) | Percent | 54.8 | 54.6 | 55.7 | 59.2 | 70.9 | 59.4 |
| PSE (per unit quantity) | Yen/kg | 808.59 | 810.16 | 820.04 | 894.02 | 1104.10 | 887.38 |
| | US\$/ton | 3247.33 | 3404.04 | 3445.53 | 3740.66 | 6533.12 | 4074.14 |

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Japan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|--------|---------|----------------|
| Pigmeat: | | | | | | | |
| Level of production | 1000 tons | 1428 | 1429 | 1424 | 1532 | 1550 | 1473 |
| Producer price (wholesale) | Yen/kg | 656 | 663 | 648 | 535 | 509 | 602 |
| Value to producers | Bil Yen | 937 | 947 | 923 | 820 | 789 | 883 |
| Policy transfers to producers: | | | | | | | |
| Variable levy | Bil Yen | 271.30 | 413.40 | 377.30 | 239.00 | 314.50 | 323.10 |
| LIPC assistance | Bil Yen | 8.00 | 6.00 | 9.00 | 6.00 | 6.00 | 7.00 |
| Insurance | Bil Yen | 16.00 | 17.00 | 16.00 | 16.00 | 16.00 | 16.20 |
| Inputs assistance | Bil Yen | 86.00 | 78.00 | 71.00 | 68.00 | 68.00 | 74.20 |
| Total policy transfers | Bil Yen | 381.30 | 514.40 | 473.30 | 329.00 | 404.50 | 420.50 |
| PSE (per unit value) | Percent | 40.7 | 54.3 | 51.3 | 40.1 | 51.3 | 47.6 |
| PSE (per unit quantity) | Yen/kg | 267.02 | 359.97 | 332.37 | 214.75 | 260.97 | 287.02 |
| | US\$/ton | 1072.36 | 1512.49 | 1396.53 | 898.54 | 1544.19 | 1284.82 |
| Chicken meat: | | | | | | | |
| Level of production | 1000 tons | 1184 | 1239 | 1309 | 1362 | 1379 | 1295 |
| Producer price (wholesale) | Yen/kg | 305 | 295 | 290 | 264 | 248 | 280 |
| Value to producers | Bil Yen | 361 | 366 | 380 | 360 | 342 | 362 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Bil Yen | 55.90 | 53.80 | 55.50 | 45.70 | 39.30 | 50.04 |
| LIPC assistance | Bil Yen | 2.00 | 2.00 | 3.00 | 2.00 | 2.00 | 2.20 |
| Insurance | Bil Yen | 5.00 | 6.00 | 5.00 | 5.00 | 5.00 | 5.20 |
| Inputs assistance | Bil Yen | 27.00 | 25.00 | 24.00 | 23.00 | 23.00 | 24.40 |
| Total policy transfers | Bil Yen | 89.90 | 86.80 | 87.50 | 75.70 | 69.30 | 81.84 |
| PSE (per unit value) | Percent | 24.9 | 23.7 | 23.0 | 21.1 | 20.3 | 22.6 |
| PSE (per unit quantity) | Yen/kg | 75.93 | 70.06 | 66.84 | 55.58 | 50.25 | 63.73 |
| | US\$/ton | 304.94 | 294.36 | 280.86 | 232.55 | 297.36 | 282.01 |
| Mandarin oranges: | | | | | | | |
| Level of production | 1000 tons | 3598 | 3643 | 2725 | 3201 | 2891 | 3212 |
| Producer price | Yen/kg | 135 | 122 | 163 | 176 | 159 | 151 |
| Value to producers | Bil Yen | 486 | 444 | 444 | 563 | 461 | 480 |
| Policy transfers to producers: | | | | | | | |
| Crop insurance | Bil Yen | 7.00 | 7.00 | 5.00 | 6.00 | 6.00 | 6.20 |
| Inputs assistance | Bil Yen | 32.00 | 30.00 | 24.00 | 27.00 | 25.00 | 27.60 |
| Total policy transfers | Bil Yen | 39.00 | 37.00 | 29.00 | 33.00 | 31.00 | 33.80 |
| PSE (per unit value) | Percent | 8.0 | 8.3 | 6.5 | 5.9 | 6.7 | 7.0 |
| PSE (per unit quantity) | Yen/kg | 10.84 | 10.16 | 10.64 | 10.31 | 10.72 | 10.53 |
| | US\$/ton | 43.53 | 42.67 | 44.72 | 43.14 | 63.45 | 47.50 |

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Japan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|------|------|------|------|-------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| PFRP payments | Bil Yen | 112 | 105 | 76 | 68 | 70 | 86 |
| State control | Bil Yen | 2912 | 3181 | 3721 | 3779 | 4270 | 3572 |
| Crop insurance | Bil Yen | 113 | 122 | 119 | 116 | 116 | 117 |
| Inputs assistance | Bil Yen | 747 | 711 | 690 | 670 | 665 | 697 |
| Variable levy | Bil Yen | 271 | 413 | 377 | 239 | 315 | 323 |
| Deficiency payments | Bil Yen | 65 | 69 | 66 | 74 | 64 | 68 |
| Tariff | Bil Yen | 176 | 169 | 179 | 166 | 134 | 165 |
| Price stabilization | Bil Yen | 101 | 106 | 122 | 120 | 122 | 114 |
| LIPC assistance | Bil Yen | 19 | 16 | 24 | 16 | 16 | 18 |
| Voluntary marketing study | Bil Yen | 126 | 116 | 112 | 107 | 104 | 113 |
| Policy transfers by commodity: | | | | | | | |
| Rice | Bil Yen | 2712 | 2873 | 3324 | 3237 | 3517 | 3133 |
| Wheat | Bil Yen | 171 | 165 | 164 | 182 | 193 | 175 |
| Barley | Bil Yen | 80 | 74 | 71 | 72 | 74 | 74 |
| Soybeans | Bil Yen | 85 | 84 | 66 | 71 | 64 | 74 |
| Beet sugar | Bil Yen | 92 | 81 | 102 | 97 | 103 | 95 |
| Cane sugar | Bil Yen | 65 | 77 | 76 | 78 | 73 | 74 |
| Fluid milk | Bil Yen | 371 | 409 | 431 | 436 | 458 | 421 |
| Manufacturing milk | Bil Yen | 167 | 207 | 224 | 246 | 273 | 224 |
| Beef | Bil Yen | 389 | 401 | 440 | 496 | 617 | 469 |
| Pigmeat | Bil Yen | 381 | 514 | 473 | 329 | 405 | 421 |
| Chickenmeat | Bil Yen | 90 | 87 | 88 | 76 | 69 | 82 |
| Mandarin oranges | Bil Yen | 39 | 37 | 29 | 33 | 31 | 34 |
| PSE by commodity: | | | | | | | |
| Rice | Percent | 84.8 | 87.8 | 87.3 | 86.7 | 94.3 | 88.2 |
| Wheat | Percent | 95.8 | 97.2 | 96.8 | 96.0 | 103.1 | 97.8 |
| Barley | Percent | 96.9 | 93.7 | 91.9 | 98.4 | 103.7 | 96.9 |
| Soybeans | Percent | 72.7 | 76.9 | 65.2 | 74.4 | 65.9 | 71.0 |
| Beet sugar | Percent | 59.5 | 67.5 | 69.6 | 69.8 | 71.5 | 67.6 |
| Cane sugar | Percent | 74.3 | 76.4 | 78.7 | 76.6 | 79.2 | 77.0 |
| Fluid milk | Percent | 81.5 | 87.9 | 92.1 | 93.7 | 102.9 | 91.6 |
| Manufacturing milk | Percent | 83.0 | 90.5 | 96.0 | 96.9 | 110.2 | 95.3 |
| Beef | Percent | 54.8 | 54.6 | 55.7 | 59.2 | 70.9 | 59.0 |
| Pigmeat | Percent | 40.7 | 54.3 | 51.3 | 40.1 | 51.3 | 47.5 |
| Chickenmeat | Percent | 24.9 | 23.7 | 23.0 | 21.1 | 20.3 | 22.6 |
| Mandarin oranges | Percent | 8.0 | 8.3 | 6.5 | 5.9 | 6.7 | 7.1 |
| Total policy transfers | Bil Yen | 4642 | 5009 | 5488 | 5354 | 5877 | 5274 |
| Value to producers | Bil Yen | 6969 | 7037 | 7636 | 7634 | 7475 | 7350 |
| 12-commodity PSE | Percent | 66.6 | 71.2 | 71.9 | 70.1 | 78.6 | 71.7 |

*Payment to producer in addition to price received.

Japan CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Rice: | | | | | | | |
| Level of consumption | Mil tons | 11.82 | 11.49 | 10.95 | 11.15 | 10.99 | 11.28 |
| Consumer price | Yen/kg | 284 | 284 | 295 | 305 | 310 | 296 |
| Cost to consumers | Bil Yen | 3356 | 3262 | 3226 | 3406 | 3407 | 3331 |
| Policy transfers to consumers: | | | | | | | |
| State control | Bil Yen | -2121.49 | -2194.40 | -2227.78 | -2161.43 | -1973.47 | -2135.71 |
| School lunch scheme | Bil Yen | 15.90 | 15.90 | 15.90 | 15.87 | 15.87 | 15.89 |
| Total policy transfers | Bil Yen | -2105.59 | -2178.50 | -2211.88 | -2145.56 | -1957.60 | -2119.83 |
| PSE (per unit value) | Percent | -62.75 | -66.78 | -68.57 | -63.00 | -57.47 | -63.64 |
| PSE (per unit quantity) | Yen/kg | -178.14 | -189.60 | -202.00 | -192.43 | -178.13 | -188.06 |
| | US\$/ton | -715.41 | -796.64 | -848.73 | -805.13 | -1054.00 | -843.98 |
| Wheat: | | | | | | | |
| Consumption (domestic wheat) | 1000 tons | 742 | 695 | 741 | 874 | 876 | 786 |
| Consumption (imported wheat) | 1000 tons | 5293 | 5364 | 5423 | 5318 | 5224 | 5324 |
| Price (domestic wheat) | Yen/kg | 64 | 69 | 69 | 69 | 69 | 68 |
| Price (imported wheat) | Yen/kg | 78 | 84 | 83 | 85 | 85 | 83 |
| Cost to consumers | Bil Yen | 462 | 499 | 504 | 511 | 503 | 496 |
| Policy transfers to consumers: | | | | | | | |
| State control (dmc wheat) | Bil Yen | -13.62 | -18.16 | -20.66 | -26.67 | -40.21 | -23.86 |
| State control (imp wheat) | Bil Yen | -96.70 | -151.16 | -118.76 | -148.64 | -146.01 | -132.25 |
| Total policy transfers | Bil Yen | -110.32 | -169.32 | -139.42 | -175.31 | -186.22 | -156.12 |
| CSE (per unit value) | Percent | -23.86 | -33.90 | -27.67 | -34.34 | -37.04 | -31.49 |
| CSE (per unit quantity) | Yen/kg | -18.28 | -27.95 | -22.62 | -28.31 | -30.53 | -25.54 |
| | US\$/ton | -73.41 | -117.42 | -95.04 | -118.46 | -180.64 | -116.99 |
| Barley: | | | | | | | |
| Level of consumption | 1000 tons | 2484 | 2585 | 2471 | 2500 | 2500 | 2508 |
| Consumer price | Yen/kg | 59 | 54 | 56 | 56 | 56 | 56 |
| Cost to consumers | Bil Yen | 147 | 140 | 138 | 140 | 140 | 141 |
| Policy transfers to consumers: | | | | | | | |
| State control (dmc barley) | Bil Yen | -25.90 | -24.60 | -27.90 | -26.13 | -26.13 | -26.13 |
| State control (food imp) | Bil Yen | -0.70 | -0.80 | 0.60 | -0.30 | -0.30 | -0.30 |
| State control (feed imp) | Bil Yen | 3.50 | 3.40 | 3.60 | 3.50 | 3.50 | 3.50 |
| State control (malt) | Bil Yen | -2.10 | -2.10 | -2.10 | -2.10 | -2.10 | -2.10 |
| Total policy transfers | Bil Yen | -25.20 | -24.10 | -25.80 | -25.03 | -25.03 | -25.03 |
| CSE (per unit value) | Percent | -17.14 | -17.20 | -18.71 | -17.94 | -17.94 | -17.78 |
| CSE (per unit quantity) | Yen/kg | -10.14 | -9.32 | -10.44 | -10.01 | -10.01 | -9.99 |
| | US\$/ton | -40.74 | -39.17 | -43.87 | -41.89 | -59.24 | -44.98 |

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Japan CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Refined sugar: | | | | | | | |
| Level of consumption (refined) | 1000 tons | 2616 | 2514 | 2515 | 2435 | 2364 | 2489 |
| Consumer price (refined) | Yen/kg | 266 | 255 | 263 | 261 | 261 | 261 |
| Cost to consumers | Bil Yen | 696 | 641 | 661 | 636 | 617 | 650 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Bil Yen | -115.80 | -111.40 | -111.40 | -105.90 | -102.80 | -109.46 |
| Price stabilization | Bil Yen | -247.20 | -165.30 | -180.30 | -146.10 | -151.80 | -178.14 |
| Excise tax | Bil Yen | -42.60 | -41.00 | -41.00 | -39.00 | -37.80 | -40.28 |
| Total policy transfers | Bil Yen | -405.60 | -317.70 | -332.70 | -291.00 | -292.40 | -327.88 |
| PSE (per unit value) | Percent | -58.29 | -49.56 | -50.30 | -45.79 | -47.39 | -50.43 |
| PSE (per unit quantity) | Yen/kg | -155.05 | -126.37 | -132.29 | -119.51 | -123.69 | -131.38 |
| | US\$/ton | -622.67 | -530.98 | -555.82 | -500.03 | -731.89 | -588.28 |
| Fluid milk: | | | | | | | |
| Level of consumption | 1000 tons | 4215 | 4272 | 4320 | 4307 | 4324 | 4288 |
| Consumer price | Yen/kg | 209 | 209 | 209 | 213 | 213 | 211 |
| Cost to consumers | Bil yen | 881 | 893 | 903 | 917 | 921 | 903 |
| Policy transfers to consumers: | | | | | | | |
| State control | Bil yen | -274.70 | -313.10 | -340.40 | -350.90 | -372.40 | -330.30 |
| School lunch scheme | Bil yen | 15.60 | 15.60 | 13.60 | 13.60 | 13.60 | 14.40 |
| Total policy transfers | Bil yen | -259.10 | -297.50 | -326.80 | -337.30 | -358.80 | -315.90 |
| PSE (per unit value) | Percent | -29.41 | -33.32 | -36.20 | -36.77 | -38.96 | -34.98 |
| PSE (per unit quantity) | Yen/kg | -61.47 | -69.64 | -75.65 | -78.31 | -82.98 | -73.61 |
| | US\$/ton | -246.87 | -292.60 | -317.85 | -327.68 | -491.00 | -335.20 |
| Dairy Products: | | | | | | | |
| Level of consumption | 1000 tons | 3580 | 3736 | 3850 | 4298 | 4304 | 3954 |
| Cost to consumers | Bil Yen | 320 | 349 | 357 | 384 | 385 | 359 |
| Policy transfers to producers: | | | | | | | |
| State control (mfg milk) | Bil Yen | -89.20 | -130.20 | -148.10 | -173.30 | -204.80 | -149.12 |
| Tariff (cheese) | Bil Yen | -8.40 | -6.50 | -6.60 | -7.10 | -5.90 | -6.90 |
| Total policy transfers | Bil Yen | -97.60 | -136.70 | -154.70 | -180.40 | -210.70 | -156.02 |
| PSE (per unit value) | Percent | -30.55 | -39.16 | -43.28 | -47.02 | -54.67 | -43.46 |
| PSE (per unit quantity) | Yen/kg | -27.26 | -36.59 | -40.18 | -41.97 | -48.95 | -38.99 |
| | US\$/ton | -109.49 | -153.74 | -168.83 | -175.62 | -289.67 | -179.47 |
| Beef: | | | | | | | |
| Level of consumption | 1000 tons | 663 | 698 | 749 | 780 | 830 | 744 |
| Consumer price | Yen/kg | 2201 | 2199 | 2185 | 2233 | 2330 | 2229 |
| Cost to consumers | Bil Yen | 1458 | 1534 | 1637 | 1742 | 1934 | 1661 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Bil Yen | -113.5 | -116.43 | -120.35 | -116.05 | -85.48 | -110.36 |
| State control | Bil Yen | -302.35 | -331.84 | -375.21 | -461.83 | -704.71 | -435.19 |
| Total policy transfers | Bil Yen | -415.85 | -448.27 | -495.56 | -577.88 | -790.19 | -545.55 |
| PSE (per unit value) | Percent | -28.52 | -29.22 | -30.28 | -33.18 | -40.86 | -32.85 |
| PSE (per unit quantity) | Yen/kg | -627.70 | -642.50 | -661.45 | -740.87 | -952.04 | -724.91 |
| | US\$/ton | -2520.88 | -2699.57 | -2779.21 | -3099.88 | -5633.35 | -3346.58 |

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Japan CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|----------|----------|---------|----------|----------------|
| Corn: | | | | | | | |
| Level of consumption | 1000 tons | 13791 | 14532 | 13725 | 14000 | 14000 | 14010 |
| Consumer price | Yen/kg | 34 | 36 | 41 | 37 | 37 | 37 |
| Cost to consumers | Bil Yen | 466 | 516 | 560 | 518 | 518 | 516 |
| Policy transfers to producers: | | | | | | | |
| Under 10% tariff quota | Bil Yen | -1.00 | -1.10 | -1.20 | -1.10 | -1.10 | -1.10 |
| Outside 10% tariff quota | Bil Yen | -11.30 | -11.30 | -11.30 | -11.30 | -11.30 | -11.30 |
| Total policy transfers | Bil Yen | -12.30 | -12.40 | -12.50 | -12.40 | -12.40 | -12.40 |
| PSE (per unit value) | Percent | -2.64 | -2.40 | -2.23 | -2.39 | -2.39 | -2.40 |
| PSE (per unit quantity) | Yen/kg | -0.89 | -0.85 | -0.91 | -0.89 | -0.89 | -0.89 |
| | US\$/ton | -3.58 | -3.59 | -3.83 | -3.71 | -5.24 | -3.99 |
| Pigmeat: | | | | | | | |
| Level of consumption | 1000 tons | 1629 | 1665 | 1702 | 1802 | 1860 | 1732 |
| Consumer price | Yen/kg | 1051 | 1074 | 1067 | 1037 | 994 | 1045 |
| Cost to consumers | Bil Yen | 1712 | 1789 | 1816 | 1869 | 1849 | 1807 |
| Policy transfers to producers: | | | | | | | |
| Variable levy | Bil Yen | -309.50 | -481.70 | -451.00 | -281.10 | -377.40 | -380.14 |
| Total policy transfers | Bil Yen | -309.50 | -481.70 | -451.00 | -281.10 | -377.40 | -380.14 |
| PSE (per unit value) | Percent | -18.08 | -26.93 | -24.83 | -15.04 | -20.41 | -21.04 |
| PSE (per unit quantity) | Yen/kg | -189.99 | -289.31 | -264.98 | -155.99 | -202.90 | -220.64 |
| | US\$/ton | -763.03 | -1215.59 | -1113.37 | -652.69 | -1200.61 | -989.06 |
| Chickenmeat: | | | | | | | |
| Level of consumption (carcass) | 1000 tons | 1286 | 1341 | 1414 | 1465 | 1563 | 1414 |
| Consumer price | Yen/kg | 495 | 491 | 487 | 471 | 454 | 480 |
| Cost to consumers | Bil Yen | 637 | 658 | 689 | 690 | 710 | 677 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Bil Yen | -60.70 | -58.20 | -59.60 | -49.10 | -44.60 | -54.44 |
| Total policy transfers | Bil Yen | -60.70 | -58.20 | -59.60 | -49.10 | -44.60 | -54.44 |
| PSE (per unit value) | Percent | -9.54 | -8.84 | -8.66 | -7.12 | -6.29 | -8.05 |
| PSE (per unit quantity) | Yen/kg | -47.20 | -43.40 | -42.15 | -33.52 | -28.53 | -38.96 |
| | US\$/ton | -189.56 | -182.35 | -177.10 | -140.23 | -168.85 | -171.62 |

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Japan CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|-------|-------|-------|-------|-------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Variable levy | Bil Yen | -310 | -482 | -451 | -281 | -377 | -380 |
| State control | Bil Yen | -2923 | -3163 | -3257 | -3348 | -3467 | -3231 |
| School lunch | Bil Yen | 32 | 32 | 30 | 29 | 29 | 30 |
| Tariff | Bil Yen | -298 | -293 | -298 | -278 | -239 | -281 |
| Price stabilization | Bil Yen | -247 | -165 | -180 | -146 | -152 | -178 |
| Excise tax | Bil Yen | -43 | -41 | -41 | -39 | -38 | -40 |
| Outside 10% tariff quota | Bil Yen | -11 | -11 | -11 | -11 | -11 | -11 |
| Under 10% tariff quota | Bil Yen | -1 | -1 | -1 | -1 | -1 | -1 |
| Policy transfers by commodity: | | | | | | | |
| Rice | Bil Yen | -2106 | -2179 | -2212 | -2146 | -1958 | -2120 |
| Wheat | Bil Yen | -110 | -169 | -139 | -175 | -186 | -156 |
| Barley | Bil Yen | -25 | -24 | -26 | -25 | -25 | -25 |
| Refined sugar | Bil Yen | -406 | -318 | -333 | -291 | -292 | -328 |
| Fluid milk | Bil Yen | -259 | -298 | -327 | -337 | -359 | -316 |
| Dairy | Bil Yen | -98 | -137 | -155 | -180 | -211 | -156 |
| Beef | Bil Yen | -416 | -448 | -496 | -578 | -790 | -546 |
| Corn | Bil Yen | -12 | -12 | -13 | -12 | -12 | -12 |
| Pigmeat | Bil Yen | -310 | -482 | -451 | -281 | -377 | -380 |
| Chickenmeat | Bil Yen | -61 | -58 | -60 | -49 | -45 | -54 |
| CSE by commodity: | | | | | | | |
| Rice | Percent | -62.7 | -66.8 | -68.6 | -63.0 | -57.5 | -63.6 |
| Wheat | Percent | -23.9 | -33.9 | -27.7 | -34.3 | -37.0 | -31.5 |
| Barley | Percent | -17.1 | -17.2 | -18.7 | -17.9 | -17.9 | -17.8 |
| Refined sugar | Percent | -58.3 | -49.6 | -50.3 | -45.8 | -47.4 | -50.4 |
| Fluid milk | Percent | -29.4 | -33.3 | -36.2 | -36.8 | -39.0 | -35.0 |
| Dairy | Percent | -30.5 | -39.2 | -43.3 | -47.0 | -54.7 | -43.5 |
| Beef | Percent | -28.5 | -29.2 | -30.3 | -33.2 | -40.9 | -32.8 |
| Corn | Percent | -2.6 | -2.4 | -2.2 | -2.4 | -2.4 | -2.4 |
| Pigmeat | Percent | -18.1 | -26.9 | -24.8 | -15.0 | -20.4 | -21.0 |
| Chickenmeat | Percent | -9.5 | -8.8 | -8.7 | -7.1 | -6.3 | -8.0 |
| Total policy transfers | Bil Yen | -3802 | -4124 | -4210 | -4075 | -4255 | -4093 |
| Cost to consumers | Bil Yen | 10134 | 10282 | 10491 | 10811 | 10983 | 10540 |
| 10-commodity CSE | Percent | -37.5 | -40.1 | -40.1 | -37.7 | -38.7 | -38.8 |

MEXICO
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|--------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Price support and licensing of trade | all PSE's | Government purchasing and marketing agency (CONASUPO) buys portion of crop at pre-specified guaranteed prices. This policy, in combination with licensing restrictions on trade, separates trade and producer prices. | Average price received by farmers (<u>3</u>) was compared with unit value of imports (or exports in the case of cotton) (<u>1</u>) or c.i.f. landed price. |
| Fertilizer | all PSE's | Most fertilizer is sold at subsidized prices through government channels. | Domestic fertilizer value (nutrient basis) (<u>3</u>) was compared with import value (at warehouse) (<u>5</u>). Subsidy was allocated by share of value of production (<u>2</u>). |
| Credit | all PSE's | Credit is subsidized through BANRURAL and other credit institutions. | Total interest cost at subsidized rate was compared with total interest cost at commercial rate (<u>4</u>). Subsidy was allocated to crops according to percent of credit received by each crop under BANRURAL system (<u>3</u>). |
| Exchange rate adjustment | all PSE's | Based on purchasing power parity, the official rate undervalued the peso during 1982-85, raising the prices of goods traded internationally. | Production values (<u>2</u> , <u>3</u>) were adjusted by an estimate of under-valuation (<u>2</u>). |

MEXICO
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Irrigation subsidy | Data were insufficient to estimate annual subsidy. Of studied crops, those most affected were wheat, soybeans, and cotton. |
| Crop insurance | Data were insufficient to estimate annual subsidy. |
| Other input subsidies | Data were insufficient to estimate annual subsidies for seeds, diesel, electricity, and pesticides. |
| Consumer subsidies | CONASUPO sells commodities purchased under price support program (grains and oilseeds) to millers at subsidized prices. These wholesale prices, which would be necessary for calculating CSE's, are not published. |

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Mexico PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|-----------|---------|----------|----------|----------|----------------|
| Wheat: | | | | | | |
| Level of production | Mil tons | 4 | 3 | 4 | 4 | 4 |
| Producer price | Pesos/ton | 6899 | 14039 | 25203 | 37125 | 20817 |
| Value to producers | Mil pesos | 28976 | 44925 | 105853 | 163350 | 85776 |
| Policy transfers to producers: | | | | | | |
| Price support and licensing | Mil pesos | -10957 | -18105 | -3336 | 4141 | -7064 |
| Fertilizer | Mil pesos | 2439 | 2380 | 6591 | 6426 | 4459 |
| Credit | Mil pesos | 2422 | 5872 | 8489 | 17123 | 8477 |
| Exchange rate adjustment | Mil pesos | 7555 | 13212 | 6847 | 13512 | 10282 |
| Total policy transfers | Mil pesos | 1459 | 3359 | 18591 | 41202 | 16153 |
| PSE (per unit value) | Percent | 5.04 | 7.48 | 17.56 | 25.22 | 18.83 |
| PSE (per unit quantity) | Pesos/ton | 347.38 | 1049.69 | 4426.43 | 9364.09 | 3797 |
| | US\$/ton | 6.16 | 8.74 | 26.37 | 36.44 | 19.43 |
| Corn: | | | | | | |
| Level of production | Mil tons | 7 | 9 | 10 | 11 | 9 |
| Producer price | Pesos/ton | 9766 | 20252 | 35500 | 52587 | 29526 |
| Value to producers | Mil pesos | 68362 | 188344 | 351450 | 552164 | 290080 |
| Policy transfers to producers: | | | | | | |
| Price support and licensing | Mil pesos | 19618 | 37202 | 99168 | 141908 | 74474 |
| Fertilizer | Mil pesos | 7840 | 12963 | 26236 | 24593 | 17908 |
| Credit | Mil pesos | 14064 | 30220 | 38595 | 77291 | 40043 |
| Exchange rate adjustment | Mil pesos | 8927 | 30726 | 14774 | 32250 | 21669 |
| Total policy transfers | Mil pesos | 50449 | 111111 | 178773 | 276042 | 154094 |
| PSE (per unit value) | Percent | 73.80 | 58.99 | 50.87 | 49.99 | 53.12 |
| PSE (per unit quantity) | Pesos/ton | 7207.00 | 11947.42 | 18057.88 | 26289.71 | 15876 |
| | US\$/ton | 127.78 | 99.48 | 107.60 | 102.31 | 109.29 |
| Soybeans: | | | | | | |
| Level of production | 1000 tons | 550 | 600 | 550 | 710 | 603 |
| Producer price | Pesos/ton | 15382 | 32822 | 62107 | 86064 | 49094 |
| Value to producers | Mil pesos | 8460 | 19693 | 34159 | 61105 | 30854 |
| Policy transfers to producers: | | | | | | |
| Price support and licensing | Mil pesos | 603 | -827 | 7350 | 18804 | 6483 |
| Fertilizer | Mil pesos | 790 | 1105 | 2369 | 2647 | 1728 |
| Credit | Mil pesos | 716 | 2344 | 2833 | 6242 | 3034 |
| Exchange rate adjustment | Mil pesos | 1439 | 4172 | 1570 | 3326 | 2627 |
| Total policy transfers | Mil pesos | 3548 | 6794 | 14122 | 31019 | 13871 |
| PSE (per unit value) | Percent | 41.94 | 34.50 | 41.34 | 50.76 | 44.96 |
| PSE (per unit quantity) | Pesos/ton | 6450.91 | 11323.33 | 25676.36 | 43688.73 | 21785 |
| | US\$/ton | 114.4 | 94.3 | 153.0 | 170.0 | 132.9 |

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Mexico PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1982-85 ave |
|--------------------------------|-----------|---------|---------|---------|----------|----------------|
| Sorghum: | | | | | | |
| Level of production | Mil tons | 3 | 4 | 4 | 4 | 4 |
| Producer price | Pesos/ton | 6403 | 12212 | 23814 | 34159 | 19147 |
| Value to producers | Mil pesos | 17928 | 48848 | 97637 | 126388 | 72700 |
| Policy transfers to producers: | | | | | | |
| Price support and licensing | Mil pesos | -1632 | -14193 | 5593 | 11879 | 412 |
| Fertilizer | Mil pesos | 2403 | 2899 | 7007 | 7471 | 4945 |
| Credit | Mil pesos | 3909 | 10672 | 13902 | 25321 | 13451 |
| Exchange rate adjustment | Mil pesos | 3582 | 12816 | 5390 | 9003 | 7698 |
| Total policy transfers | Mil pesos | 8262 | 12194 | 31892 | 53674 | 26506 |
| PSE (per unit value) | Percent | 46.08 | 24.96 | 32.66 | 42.47 | 36.46 |
| PSE (per unit quantity) | Pesos/ton | 2950.71 | 3048.50 | 7778.54 | 14506.49 | 7071 |
| | US\$/ton | 52.32 | 25.38 | 46.35 | 56.45 | 45.13 |
| Cotton: | | | | | | |
| Level of production | 1000 tons | 188 | 218 | 270 | 220 | 224 |
| Producer price | Pesos/ton | 95000 | 225987 | 239374 | 239723 | 200021 |
| Value to producers | Mil pesos | 17860 | 49265 | 64631 | 52739 | 46124 |
| Policy transfers to producers: | | | | | | |
| Price support and licensing | Mil pesos | 2460 | 6469 | -9964 | -10765 | -2950 |
| Fertilizer | Mil pesos | 1252 | 2304 | 3890 | 1745 | 2298 |
| Credit | Mil pesos | 450 | 1446 | 2473 | 3134 | 1876 |
| Exchange rate adjustment | Mil pesos | 3342 | 11089 | 3541 | 3428 | 5350 |
| Total policy transfers | Mil pesos | 7504 | 21308 | -60 | -2458 | 6574 |
| PSE (per unit value) | Percent | 42.02 | 43.25 | -0.09 | -4.66 | 14.25 |
| PSE (per unit quantity) | Pesos/ton | 39915 | 97743 | -222 | -11173 | 31566 |
| | US\$/ton | 707.69 | 813.89 | -1.32 | -43.48 | 369.19 |
| Summary: | | | | | | |
| Policy transfers by policy: | | | | | | |
| Price support and licensing | Mil pesos | 10092 | 10546 | 98811 | 165967 | 71354 |
| Fertilizer | Mil pesos | 14724 | 21651 | 46093 | 42882 | 31338 |
| Credit | Mil pesos | 21561 | 50554 | 66292 | 129111 | 66880 |
| Exchange rate adjustment | Mil pesos | 24845 | 72015 | 32122 | 61519 | 47625 |
| Policy transfers by commodity: | | | | | | |
| Wheat | Mil pesos | 1459 | 3359 | 18591 | 41202 | 16153 |
| Corn | Mil pesos | 50449 | 111111 | 178773 | 276042 | 154094 |
| Soybeans | Mil pesos | 3548 | 6794 | 14122 | 31019 | 13871 |
| Sorghum | Mil pesos | 8262 | 12194 | 31892 | 53674 | 26506 |
| Cotton | Mil pesos | 7504 | 21308 | -60 | -2458 | 6574 |
| PSE by commodity: | | | | | | |
| Wheat | Percent | 5.0 | 7.5 | 17.6 | 25.2 | 18.8 |
| Corn | Percent | 73.8 | 59.0 | 50.9 | 50.0 | 53.1 |
| Soybeans | Percent | 41.9 | 34.5 | 41.3 | 50.8 | 45.0 |
| Sorghum | Percent | 46.1 | 25.0 | 32.7 | 42.5 | 36.5 |
| Cotton | Percent | 42.0 | 43.3 | -0.1 | -4.7 | 14.3 |
| Total policy transfers | Mil pesos | 71222 | 154766 | 243318 | 399479 | 217196 |
| Value to producers | Mil pesos | 141586 | 351075 | 653729 | 955746 | 525534 |
| 5-commodity PSE | Percent | 50.3 | 44.1 | 37.2 | 41.8 | 41.3 |

NEW ZEALAND
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|----------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fluid milk subsidies | fluid milk PSE | Subsidies to fluid milk producers to produce milk year round | MAF assumes that 50 percent of the premium granted to fresh milk is subsidy; distributed over volume (<u>1</u>). |
| Fertilizer subsidies | all PSE's | Fertilizer transport subsidy (ended Nov. 8 1984); \$NZ12/ton price subsidy on fertilizer (ended 30 June 1986); \$NZ2/ton rebate on aerial fertilization (ended 8 Sept. 1984). | Total cost of subsidies is allocated across farm types based on average fertilizer use. Sheepmeat and wool distributed by market value shares; fluid and mfg. milk by number of producing head (<u>1</u> , <u>2</u>). |
| Livestock incentive scheme | fluid milk PSE wool PSE mfg. milk PSE beef and veal PSE sheepmeat PSE | From 1976 to 1982, MAF encouraged higher grazing capacity via interest-free loans and tax deductions linked to increases in herd numbers. | Divided among products by shares of total value of livestock output--town and mfg. milk allocated by production (<u>1</u>). |
| Miscellaneous payouts | fresh milk PSE mfg. milk PSE wool PSE sheepmeat PSE beef and veal PSE | Overhead of MAF programs; compensation for animal condemnation n.e.s.; noxious weed eradication; incentives for artificial insemination (dairy only); alfalfa planting grants, etc. | Budgetary items, either commodity specific or allocated by shares of total value of output (<u>1</u> , <u>2</u>). |
| Interest concessions | all PSE's | Concessional finance is available to producer boards, farm settlement and development, and Maori farm settlement. | Subsidy is difference between interest rate charged and the market rate. NZ Dairy Board subsidy allocated between fluid and mfg. milk by volume. NZ Meat Producers Board subsidy allocated among meats by production (<u>1</u> , <u>2</u>). |
| Agricultural pest control | sheepmeat PSE fluid milk PSE wheat PSE wool PSE mfg. milk PSE | MAF rebates most of the costs of local pest destruction boards for the extermination of rabbits, wallabies, and other vermin. | Divided among relevant products by shares of value of farm output--fluid and mfg. milk allocated by production (<u>1</u> , <u>2</u>). |
| Agricultural quarantine | all PSE's | Costs of quarantine monitoring and enforcement is borne by MAF. | Divided among relevant products by shares of value of farm output--town and mfg. milk allocated by production (<u>1</u> , <u>2</u>). |

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New Zealand: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Animal health | fluid milk PSE mfg. milk PSE wool PSE beef and veal PSE sheepmeat PSE | MAF funds the control and eradication of animal diseases and compensates owners of cattle with bovine brucellosis and tuberculosis. Cost and distribution of Droncit tablets for hydatids control was fully subsidized through April 1983 when financial burden was shifted to local governments. | Divided among relevant products by shares of value of livestock output--town and mfg. milk allocated by production (1). |
| Inspection and grading | fresh milk PSE mfg. milk PSE beef and veal PSE sheepmeat PSE | MAF incurred full cost of inspection and grading to meet domestic standards and ensure compliance with importers' specifications. Cost recovery fees initiated November 1985. | MAF expenditure and overhead allocated by animal numbers inspected for meats; in dairy, overhead divided between town and mfg. milk by relative herd sizes (1) |
| Labor (job creation) | fresh milk PSE wool PSE mfg. milk PSE beef and veal PSE sheepmeat PSE | Several private and public sector employment programs involve wage subsidies for new farm job creation, as well as public works and public job training programs of direct benefit to agriculture. | Allocation determined by number of fulltime labor equivalents on June 30, 1980 in each type of activity (1,2) |
| Research | all PSE's | MAF, Dept. of Scientific and Industrial Research, and Dept. of Lands and Survey are involved in research of benefit to agriculture. | Research budget directly related to agricultural processing and production, and overhead allocated by share of total output (1,2). |
| Advisory | all PSE's | MAF supplies extensionservices, diagnostic services, and, for exporters of plant products, quality assurance programs. | Allocated by share of value of farm output (1,2). |
| Wheat trade policy | wheat PSE | Wheat production and milling is protected. The Wheat Board effectively subsidizes domestic transport costs--especially South Island (SI) producers. Australian wheat and flour imports are limited by quota, but this will be phased out by 1995. | Value is measured by the difference between SI wheat c.i.f. at North Island (NI) mills and Australian wheat c.i.f. at NI ports--the relevant opportunity cost. The price difference is multiplied by the volume of SI wheat to the NI (1,2). |

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New Zealand: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-----------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Seed certification | wheat PSE | Seed testing and classification costs are borne by MAF. | Budget item; wheat is principal beneficiary of the program (1,2). |
| SMP export effect | wool PSE beef & veal PSE sheepmeat PSE | SMP is the Supplementary Minimum Price scheme. Until mid-1984 sheepmeat, wool, and beef producers were paid the SMP if above world (export) prices-- a direct export subsidy when the SMP was effective. | The difference between the export price and the SMP multiplied by the relevant export volume. |
| SMP domestic effect | beef & veal PSE sheepmeat PSE | The domestic effect of the SMP is the higher cost incurred by consumers when SMP was effective. | The difference between the export price and the SMP multiplied by the domestic use during the relevant period |
| Meat industry hygiene grant | beef & veal PSE sheepmeat PSE | To improve export quality, MAF rebated cold storage industry 10 percent of the cost of new plant and equipment. The bulk of rebates occurred in 1978-81, only minor assistance was paid in 1982-84. Program is no longer in effect. | Total value divided among meats by share in total value of meat production |

References

1. Gibson, B.C. Measurement of Assistance to Pastoral Agriculture 1979/80-1983/84. Economics Division, Ministry of Agriculture and Fisheries (MAF), Wellington, New Zealand, 1984.
2. Nickel, M.C. Assistance and Incentives to Arable Crop Production, 1979-1983. Economics Division, Ministry of Agriculture and Fisheries (MAF), Wellington, New Zealand, 1984.

New Zealand PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Beef and Veal: | | | | | | | |
| Level of production | 1000 tons | 549 | 440 | 487 | 466 | 534 | 495 |
| Producer price | NZ\$/ton | 1306 | 1646 | 1740 | 2236 | 1633 | 1712 |
| Value to producers | Mil NZ\$ | 759 | 722 | 841 | 1042 | 874 | 847 |
| Policy transfers to producers: | | | | | | | |
| Smp export effect | Mil NZ\$ | 42.00 | -2.30 | -6.60 | 0.00 | 1.50 | 6.92 |
| Smp domestic effect | Mil NZ\$ | 16.29 | -1.10 | -2.50 | 0.00 | 0.40 | 2.62 |
| Fertilizer subsidies | Mil NZ\$ | 3.57 | 3.31 | 3.50 | 1.30 | 0.60 | 2.46 |
| Livestock incentive scheme | Mil NZ\$ | 3.99 | 4.78 | 2.90 | 2.20 | 3.00 | 3.37 |
| Miscellaneous payouts | Mil NZ\$ | 1.62 | 1.57 | 1.70 | 0.60 | 0.80 | 1.26 |
| Interest concessions | Mil NZ\$ | 25.20 | 25.30 | 32.70 | 54.70 | 50.90 | 37.76 |
| Agricultural quarantine | Mil NZ\$ | 0.84 | 0.95 | 1.00 | 1.00 | 1.40 | 1.04 |
| Animal health | Mil NZ\$ | 9.71 | 9.49 | 10.40 | 11.60 | 10.70 | 10.38 |
| Inspection and grading | Mil NZ\$ | 14.77 | 14.62 | 15.20 | 16.40 | 12.10 | 14.62 |
| Meat industry hygiene grant | Mil NZ\$ | 0.80 | 0.61 | 0.00 | 0.00 | 0.00 | 0.28 |
| Labor (job creation) | Mil NZ\$ | 1.15 | 1.24 | 0.70 | 0.60 | 0.60 | 0.86 |
| Marketing assistance | Mil NZ\$ | 0.45 | 0.49 | 0.60 | 0.70 | 0.80 | 0.61 |
| Research | Mil NZ\$ | 10.41 | 10.54 | 12.20 | 13.00 | 16.50 | 12.53 |
| Advisory | Mil NZ\$ | 2.22 | 2.21 | 2.70 | 2.70 | 3.60 | 2.69 |
| Taxation concessions | Mil NZ\$ | 6.95 | 7.30 | 7.50 | 2.90 | 3.20 | 5.57 |
| Total policy transfers | Mil NZ\$ | 139.95 | 79.01 | 82.00 | 107.70 | 106.10 | 102.95 |
| PSE (per unit value) | Percent | 18.4 | 10.9 | 9.8 | 10.3 | 12.1 | 12.1 |
| PSE (per unit quantity) | NZ\$/ton | 254.97 | 179.57 | 168.38 | 231.12 | 198.69 | 206.54 |
| | US\$/ton | 178.96 | 120.10 | 97.41 | 115.19 | 104.09 | 123.15 |
| Sheepmeat: | | | | | | | |
| Level of production | 1000 tons | 680 | 668 | 728 | 611 | 590 | 656 |
| Producer price | NZ\$/ton | 339 | 371 | 289 | 100 | 448 | 310 |
| Value to producers | Mil NZ\$ | 387 | 471 | 385 | 115 | 264 | 324 |
| Policy transfers to producers: | | | | | | | |
| Smp export effect | Mil NZ\$ | 156.00 | 222.80 | 173.70 | 53.90 | 0.00 | 121.28 |
| Smp domestic effect | Mil NZ\$ | 26.81 | 41.50 | 27.10 | 10.80 | 0.00 | 21.24 |
| Fertilizer subsidies | Mil NZ\$ | 11.42 | 11.08 | 8.50 | 2.40 | 1.20 | 6.92 |
| Livestock incentive scheme | Mil NZ\$ | 3.45 | 4.85 | 2.30 | 1.30 | 1.80 | 2.74 |
| Miscellaneous payouts | Mil NZ\$ | 1.40 | 1.59 | 1.30 | 0.30 | 0.50 | 1.02 |
| Interest concessions | Mil NZ\$ | 21.80 | 25.60 | 25.10 | 33.70 | 31.40 | 27.52 |
| Agricultural pest control | Mil NZ\$ | 0.98 | 1.24 | 0.90 | 0.60 | 0.60 | 0.86 |
| Agricultural quarantine | Mil NZ\$ | 0.72 | 0.97 | 0.8 | 0.60 | 0.90 | 0.80 |
| Animal health | Mil NZ\$ | 2.07 | 1.51 | 1.50 | 1.30 | 1.30 | 1.54 |
| Inspection and grading | Mil NZ\$ | 33.57 | 33.24 | 34.50 | 37.40 | 27.60 | 33.26 |
| Meat industry hygiene grant | Mil NZ\$ | 1.25 | 1.16 | 0.00 | 0.00 | 0.00 | 0.48 |
| Labor (job creation) | Mil NZ\$ | 2.38 | 2.66 | 1.40 | 0.90 | 1.10 | 1.69 |
| Marketing assistance | Mil NZ\$ | 0.39 | 0.50 | 0.50 | 0.50 | 0.50 | 0.48 |
| Research | Mil NZ\$ | 9.01 | 10.69 | 9.30 | 8.00 | 10.20 | 9.44 |
| Advisory | Mil NZ\$ | 1.92 | 2.24 | 2.10 | 1.70 | 2.20 | 2.03 |
| Taxation concessions | Mil NZ\$ | 15.54 | 16.34 | 16.80 | 5.90 | 6.50 | 12.22 |
| Stabilization export effort | Mil NZ\$ | 212.33 | 197.1 | 246.28 | 292.38 | 0.00 | 189.62 |
| Stabilization domestic effect | Mil NZ\$ | 36.49 | 36.72 | 38.44 | 58.72 | 0.00 | 34.07 |
| Total policy transfers | Mil NZ\$ | 537.53 | 611.78 | 590.52 | 510.40 | 85.80 | 467.21 |
| PSE (per unit value) | Percent | 139.1 | 130.0 | 153.6 | 442.8 | 32.5 | 144.1 |
| PSE (per unit quantity) | NZ\$/ton | 790.48 | 915.84 | 810.82 | 834.81 | 145.42 | 699.47 |
| | US\$/ton | 554.84 | 612.51 | 469.06 | 416.07 | 76.19 | 425.73 |

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New Zealand PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Wool: | | | | | | | |
| Level of production | 1000 tons | 371 | 364 | 373 | 358 | 361 | 365 |
| Producer price | NZ\$/ton | 2553 | 2701 | 3369 | 3026 | 3199 | 2970 |
| Value to producers | Mil NZ\$ | 947 | 983 | 1258 | 1082 | 1155 | 1085 |
| Policy transfers to producers: | | | | | | | |
| Smp export effect | Mil NZ\$ | 197.00 | 82.00 | 14.20 | 0.00 | 0.00 | 58.64 |
| Fertilizer subsidies | Mil NZ\$ | 16.51 | 14.86 | 13.16 | 5.29 | 2.21 | 10.41 |
| Livestock incentive scheme | Mil NZ\$ | 4.99 | 6.50 | 3.49 | 2.88 | 3.33 | 4.24 |
| Miscellaneous payouts | Mil NZ\$ | 1.99 | 2.12 | 1.97 | 0.74 | 0.87 | 1.54 |
| Interest concessions | Mil NZ\$ | 33.42 | 36.11 | 38.69 | 72.85 | 56.75 | 47.56 |
| Agricultural pest control | Mil NZ\$ | 1.42 | 1.66 | 1.45 | 1.22 | 1.12 | 1.37 |
| Agricultural quarantine | Mil NZ\$ | 1.05 | 1.29 | 1.20 | 1.33 | 1.59 | 1.29 |
| Animal health | Mil NZ\$ | 3.00 | 2.03 | 2.29 | 2.90 | 2.40 | 2.52 |
| Labor (job creation) | Mil NZ\$ | 3.44 | 3.57 | 2.21 | 2.02 | 1.91 | 2.63 |
| Marketing assistance | Mil NZ\$ | 0.56 | 0.67 | 0.76 | 1.00 | 0.92 | 0.78 |
| Research | Mil NZ\$ | 11.21 | 12.28 | 12.71 | 13.81 | 16.12 | 13.22 |
| Advisory | Mil NZ\$ | 2.78 | 3.01 | 3.18 | 3.62 | 4.00 | 3.32 |
| Taxation concessions | Mil NZ\$ | 22.48 | 23.62 | 24.33 | 8.52 | 9.37 | 17.66 |
| Total policy transfers | Mil NZ\$ | 299.82 | 189.72 | 119.62 | 116.17 | 100.58 | 165.18 |
| PSE (per unit value) | Percent | 31.7 | 19.3 | 9.5 | 10.7 | 8.7 | 15.2 |
| PSE (per unit quantity) | NZ\$/ton | 808.15 | 521.21 | 320.36 | 324.85 | 278.63 | 450.64 |
| | US\$/ton | 567.24 | 348.59 | 185.33 | 161.91 | 145.97 | 281.81 |
| Manufacturing milk: | | | | | | | |
| Level of production | 1000 tons | 6297 | 6955 | 7194 | 7571 | 6510 | 6905 |
| Producer price | NZ\$/ton | 171 | 156 | 183 | 182 | 163 | 171 |
| Value to producers | Mil NZ\$ | 1074 | 1085 | 1316 | 1377 | 1064 | 1183 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidies | Mil NZ\$ | 11.37 | 10.58 | 9.20 | 3.30 | 1.50 | 7.19 |
| Livestock incentive scheme | Mil NZ\$ | 0.96 | 1.75 | 0.80 | 0.60 | 0.80 | 0.98 |
| Miscellaneous payouts | Mil NZ\$ | 2.35 | 2.40 | 2.10 | 1.00 | 0.80 | 1.73 |
| Interest concessions | Mil NZ\$ | 75.29 | 68.30 | 54.30 | 77.60 | 75.10 | 70.12 |
| Agricultural pest control | Mil NZ\$ | 1.64 | 1.88 | 1.60 | 1.60 | 1.10 | 1.56 |
| Agricultural quarantine | Mil NZ\$ | 1.21 | 1.46 | 1.30 | 1.70 | 1.50 | 1.43 |
| Animal health | Mil NZ\$ | 10.91 | 10.33 | 10.40 | 10.60 | 9.40 | 10.33 |
| Inspection and grading | Mil NZ\$ | 8.64 | 8.46 | 8.40 | 8.70 | 8.30 | 8.50 |
| Labor (job creation) | Mil NZ\$ | 3.94 | 4.22 | 2.50 | 2.00 | 2.00 | 2.93 |
| Marketing assistance | Mil NZ\$ | 0.65 | 0.76 | 0.80 | 1.30 | 0.90 | 0.88 |
| Research | Mil NZ\$ | 12.34 | 13.33 | 12.70 | 15.60 | 14.80 | 13.75 |
| Advisory | Mil NZ\$ | 4.51 | 4.55 | 4.60 | 5.90 | 5.00 | 4.91 |
| Taxation concessions | Mil NZ\$ | 20.09 | 21.12 | 21.80 | 6.30 | 6.90 | 15.24 |
| Total policy transfers | Mil NZ\$ | 153.90 | 149.14 | 130.50 | 136.20 | 128.10 | 139.57 |
| PSE (per unit value) | Percent | 14.3 | 13.7 | 9.9 | 9.9 | 12.0 | 11.8 |
| PSE (per unit quantity) | NZ\$/kg | 24.44 | 21.44 | 18.14 | 17.99 | 19.68 | 20.34 |
| | US\$/kg | 17.15 | 14.34 | 10.49 | 8.97 | 10.31 | 12.25 |

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New Zealand PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Fluid milk: | | | | | | | |
| Level of production | 1000 tons | 482 | 488 | 485 | 490 | 488 | 487 |
| Producer price | NZ\$/ton | 222 | 219 | 256 | 259 | 227 | 237 |
| Value to producers | Mil NZ\$ | 107 | 107 | 124 | 127 | 111 | 115 |
| Policy transfers to producers: | | | | | | | |
| Town milk subsidies | Mil NZ\$ | 13.93 | 14.97 | 19.30 | 19.20 | 23.10 | 18.10 |
| Fertilizer subsidies | Mil NZ\$ | 0.86 | 0.79 | 0.70 | 0.20 | 0.10 | 0.53 |
| Livestock incentive scheme | Mil NZ\$ | 0.07 | 0.09 | 0.10 | 0.00 | 0.10 | 0.07 |
| Miscellaneous payouts | Mil NZ\$ | 0.18 | 0.18 | 0.20 | 0.10 | 0.10 | 0.15 |
| Interest concessions | Mil NZ\$ | 5.72 | 5.10 | 3.90 | 5.50 | 5.30 | 5.10 |
| Agricultural pest control | Mil NZ\$ | 0.13 | 0.14 | 0.10 | 0.10 | 0.10 | 0.11 |
| Agricultural quarantine | Mil NZ\$ | 0.09 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 |
| Animal health | Mil NZ\$ | 0.83 | 0.77 | 0.70 | 0.80 | 0.70 | 0.76 |
| Inspection and grading | Mil NZ\$ | 0.66 | 0.63 | 0.60 | 0.60 | 0.60 | 0.62 |
| Labor (job creation) | Mil NZ\$ | 0.30 | 0.81 | 0.20 | 0.10 | 0.10 | 0.30 |
| Marketing assistance | Mil NZ\$ | 0.05 | 0.06 | 0.00 | 0.10 | 0.00 | 0.04 |
| Research | Mil NZ\$ | 0.94 | 0.99 | 0.90 | 1.10 | 1.00 | 0.99 |
| Advisory | Mil NZ\$ | 0.34 | 0.34 | 0.30 | 0.40 | 0.30 | 0.34 |
| Taxation concessions | Mil NZ\$ | 1.54 | 1.62 | 1.70 | 0.50 | 0.50 | 1.17 |
| Total policy transfers | Mil NZ\$ | 25.63 | 26.57 | 28.80 | 28.80 | 32.10 | 28.38 |
| PSE (per unit value) | Percent | 24.0 | 24.8 | 23.2 | 22.7 | 28.9 | 24.6 |
| PSE (per unit quantity) | NZ\$/kg | 239.53 | 248.35 | 232.26 | 226.77 | 289.19 | 247.22 |
| | US\$/kg | 168.12 | 166.10 | 134.36 | 113.02 | 151.51 | 146.62 |

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New Zealand PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Smp export effect | Mil NZ\$ | 395.00 | 302.50 | 181.30 | 53.90 | 1.50 | 186.84 |
| Smp domestic effect | Mil NZ\$ | 43.10 | 40.40 | 24.60 | 10.80 | 0.40 | 23.86 |
| Fertilizer subsidies | Mil NZ\$ | 43.74 | 40.62 | 35.06 | 12.49 | 5.61 | 27.50 |
| Livestock incentive scheme | Mil NZ\$ | 13.47 | 17.97 | 9.58 | 6.98 | 9.03 | 11.41 |
| Miscellaneous payouts | Mil NZ\$ | 7.53 | 7.86 | 7.27 | 2.74 | 3.07 | 5.69 |
| Interest concessions | Mil NZ\$ | 161.43 | 160.41 | 154.69 | 244.35 | 219.45 | 188.07 |
| Agricultural quarantine | Mil NZ\$ | 3.91 | 4.78 | 4.40 | 4.73 | 5.49 | 4.66 |
| Animal health | Mil NZ\$ | 26.52 | 24.13 | 25.29 | 27.20 | 24.50 | 25.53 |
| Inspection and grading | Mil NZ\$ | 57.63 | 56.95 | 58.70 | 63.10 | 48.60 | 56.99 |
| Meat industry hygiene grant | Mil NZ\$ | 2.05 | 1.77 | 0.00 | 0.00 | 0.00 | 0.76 |
| Labor (job creation) | Mil NZ\$ | 11.20 | 12.49 | 7.01 | 5.62 | 5.71 | 8.41 |
| Marketing assistance | Mil NZ\$ | 2.09 | 2.48 | 2.66 | 3.60 | 3.12 | 2.79 |
| Research | Mil NZ\$ | 43.91 | 47.82 | 47.81 | 51.51 | 58.62 | 49.93 |
| Advisory | Mil NZ\$ | 11.77 | 12.35 | 12.88 | 14.32 | 15.10 | 13.28 |
| Taxation concessions | Mil NZ\$ | 66.59 | 70.00 | 72.13 | 24.12 | 26.47 | 51.86 |
| Town milk subsidies | Mil NZ\$ | 13.93 | 14.97 | 19.30 | 19.20 | 23.10 | 18.10 |
| Agricultural pest control | Mil NZ\$ | 4.16 | 4.92 | 4.05 | 3.52 | 2.92 | 3.91 |
| Stabilization export effort | Mil NZ\$ | 212.33 | 197.1 | 246.28 | 292.38 | 0 | 189.618 |
| Stabilization domestic effect | Mil NZ\$ | 36.49 | 36.72 | 38.44 | 58.72 | 0 | 34.074 |
| Policy transfers by commodity: | | | | | | | |
| Beef and veal | Mil NZ\$ | 139.95 | 79.01 | 82.00 | 107.70 | 106.10 | 102.95 |
| Sheepmeat | Mil NZ\$ | 537.53 | 611.78 | 590.52 | 510.40 | 85.80 | 467.21 |
| Wool | Mil NZ\$ | 299.82 | 189.72 | 119.62 | 116.17 | 100.58 | 165.18 |
| Mfg milk | Mil NZ\$ | 153.90 | 149.14 | 130.50 | 136.20 | 128.10 | 139.57 |
| Fluid milk | Mil NZ\$ | 25.63 | 26.57 | 28.80 | 28.80 | 32.10 | 28.38 |
| PSE by commodity: | | | | | | | |
| Beef and veal | Percent | 18.4 | 10.9 | 9.8 | 10.3 | 12.1 | 12.1 |
| Sheepmeat | Percent | 139.1 | 130.0 | 153.6 | 442.8 | 32.5 | 144.1 |
| Wool | Percent | 31.7 | 19.3 | 9.5 | 10.7 | 8.7 | 15.2 |
| Mfg milk | Percent | 14.3 | 13.7 | 9.9 | 9.9 | 12.0 | 11.8 |
| Fluid milk | Percent | 24.0 | 24.8 | 23.2 | 22.7 | 28.9 | 24.6 |
| Total policy transfers | Mil NZ\$ | 1156.83 | 1056.22 | 951.44 | 899.27 | 452.68 | 903.29 |
| Value to producers | Mil NZ\$ | 3273.51 | 3367.33 | 3923.31 | 3743.34 | 3467.36 | 3554.97 |
| 5-commodity PSE | Percent | 35.3 | 31.4 | 24.3 | 24.0 | 13.1 | 25.4 |

Note: NZ\$ = New Zealand dollar.

NIGERIA
Measured Policies
(For underscored numbers in parentheses, see References below)

| Affected Policy instrument | subsidy equivalent | Policy explanation | Estimation procedure |
|----------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Credit subsidy | all PSE's | The Government of Nigeria set a subsidized interest rate and a minimum percent of bank lending for agricultural use. | Estimate of subsidy for 1982 (<u>16</u>) was adjusted for annual lending to agriculture (<u>3</u>) and allocated by proportion of all agricultural value derived from each crop (<u>6</u>). |
| Fertilizer subsidy | cotton PSE rice PSE sugar PSE wheat PSE white corn PSE | The Government procured and delivered fertilizer to States and project areas at subsidized rates. | Estimates of subsidies in 1978, 1981, and 1982 (<u>16</u>) were adjusted for changes in value of fertilizer imports (<u>8</u> , <u>14</u>) and allocated according to application rates by crop (<u>12</u>) and the acreage planted each year by crop (<u>7</u>). |
| Overvaluation | cocoa PSE cotton CSE, PSE rice CSE, PSE sugar CSE, PSE wheat CSE yellow corn CSE | The official exchange rate overvalued the Nigerian currency, lowering the prices of goods that were traded internationally. | For goods whose price responded to world prices, observed domestic prices (<u>2,3,9</u>) were compared with prices adjusted by an estimate of overvaluation based on (<u>18</u>). The price difference was multiplied by production or consumption quantity (<u>4,6</u>). |
| Pesticide subsidy | cocoa PSE | The Nigerian Cocoa Board procured and delivered pesticides to cocoa producers until 1978. Later, subsidies were paid to chemical companies. | Estimates of annual subsidies were published in (<u>1</u>). |

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Nigeria: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Marketing board | cotton PSE wheat PSE cocoa PSE | Prices paid by these marketing boards were independent of world prices. | Marketing board prices published in (3) were compared with border prices computed from (5, 10, 15). |
| Tariff | sugar CSE, PSE rice CSE, PSE wheat CSE cotton CSE yellow corn CSE cocoa CSE | Tariffs affected retail prices of all imports and producer prices on rice and sugar. | Tariff rates published in (11) were multiplied by producer or consumer value. |

NIGERIA
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bush clearing improved seed tractor hire | Existing estimates of the value of these government services and subsidies indicate their value is too small to significantly affect total value of subsidies (9). |
| Extension research | Data are insufficient to allocate subsidy to individual crops. |
| Irrigation | Data are insufficient to estimate annual subsidy. |
| Petrol subsidy | Data are insufficient to estimate proportion of subsidy affecting agriculture. |
| Import ban, import license | Data are insufficient to determine impact on annual imports or on prices. |

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Nigeria PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Wheat: | | | | | | | |
| Level of production | 1000 tons | 26 | 26 | 27 | 10 | 15 | 21 |
| Producer price | Naira/ton | 280 | 280 | 400 | 450 | 520 | 386 |
| Value to producers | Mil naira | 7 | 7 | 11 | 5 | 8 | 8 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidy | Mil naira | 0.31 | 0.52 | 0.67 | 0.84 | 1.12 | 0.69 |
| Credit subsidy | Mil naira | 0.02 | 0.03 | 0.04 | 0.02 | 0.03 | 0.03 |
| Marketing board | Mil naira | 3.92 | 3.74 | 7.02 | 2.91 | 4.93 | 4.50 |
| Overvaluation | Mil naira | -5.16 | -6.9 | -12.55 | -4.41 | -4.13 | -6.63 |
| Total policy transfers | Mil naira | -0.91 | -2.61 | -4.82 | -0.65 | 1.95 | -1.41 |
| PSE (per unit value) | Percent | -12.46 | -35.84 | -44.61 | -14.38 | 24.95 | -18.68 |
| PSE (per unit quantity) | Naira/ton | -34.88 | -100.37 | -178.43 | -64.70 | 129.73 | -49.73 |
| | US\$/ton | -51.80 | -138.70 | -233.56 | -72.53 | 96.00 | -80.12 |
| Rice (milled): | | | | | | | |
| Level of production | 1000 tons | 918 | 851 | 900 | 682 | 632 | 797 |
| Producer price | Naira/ton | 730 | 575 | 883 | 1040 | 1100 | 866 |
| Value to producers | Mil naira | 670 | 489 | 795 | 709 | 695 | 672 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Mil naira | 23.10 | 74.83 | 107.88 | 83.72 | 21.45 | 62.20 |
| Fertilizer subsidy | Mil naira | 9.74 | 13.69 | 16.42 | 19.21 | 22.73 | 16.36 |
| Credit subsidy | Mil naira | 2.21 | 1.88 | 2.88 | 2.46 | 2.32 | 2.35 |
| Overvaluation | Mil naira | -355.02 | -364.77 | -550.93 | -357.38 | -205.71 | -366.76 |
| Total policy transfers | Mil naira | -319.97 | -274.37 | -423.76 | -251.99 | -159.22 | -285.86 |
| PSE (per unit value) | Percent | -47.76 | -56.06 | -53.32 | -35.53 | -22.90 | -42.56 |
| PSE (per unit quantity) | Naira/ton | -348.67 | -322.33 | -470.84 | -369.49 | -251.92 | -352.65 |
| | US\$/ton | -517.77 | -445.47 | -616.33 | -414.20 | -186.42 | -436.04 |
| Sugar: | | | | | | | |
| Level of production | 1000 tons | 54 | 58 | 55 | 69 | 40 | 55 |
| Producer price | Naira/ton | 226 | 244 | 191 | 195 | 366 | 244 |
| Value to producers | Mil naira | 12 | 14 | 10 | 13 | 15 | 13 |
| Policy transfers to producers: | | | | | | | |
| Tariff | Mil naira | 1.22 | 2.83 | 3.15 | 4.04 | 2.20 | 2.69 |
| Fertilizer subsidy | Mil naira | 0.45 | 0.72 | 0.74 | 0.41 | 0.57 | 0.58 |
| Credit subsidy | Mil naira | 0.04 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 |
| Overvaluation | Mil naira | -18.72 | -27.55 | -34.81 | -37.36 | -21.08 | -27.90 |
| Total policy transfers | Mil naira | -17.01 | -23.95 | -30.89 | -32.87 | -18.26 | -24.59 |
| PSE (per unit value) | Percent | -139.60 | -169.48 | -294.51 | -244.07 | -124.62 | -189.41 |
| PSE (per unit quantity) | Naira/ton | -314.98 | -412.88 | -561.55 | -476.32 | -456.53 | -444.45 |
| | US\$/ton | -467.75 | -570.60 | -735.06 | -533.95 | -337.83 | -529.04 |

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Nigeria PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Cotton lint: | | | | | | | |
| Level of production | 1000 tons | 20 | 13 | 15 | 10 | 27 | 17 |
| Producer price | Naira/ton | 1163 | 1275 | 1400 | 1750 | 2125 | 1543 |
| Value to producers | Mil naira | 23 | 16 | 21 | 18 | 57 | 27 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidy | Mil naira | 4.68 | 6.47 | 7.12 | 8.64 | 14.25 | 8.23 |
| Credit subsidy | Mil naira | 0.08 | 0.05 | 0.07 | 0.05 | 0.17 | 0.08 |
| Marketing board | Mil naira | -2.32 | 1.95 | 2.67 | 4.05 | 6.53 | 2.58 |
| Overvaluation | Mil naira | -38.93 | -27.52 | -60.86 | -37.31 | -73.14 | -47.55 |
| Total policy transfers | Mil naira | -36.49 | -19.05 | -51.01 | -24.57 | -52.19 | -36.66 |
| PSE (per unit value) | Percent | -158.52 | -118.57 | -242.90 | -140.39 | -90.96 | -135.82 |
| PSE (per unit quantity) | Naira/ton | -1842.83 | -1511.83 | -3400.53 | -2456.90 | -1932.89 | -2229.00 |
| | US\$/ton | -2736.60 | -2089.34 | -4451.30 | -2754.18 | -1430.34 | -2692.35 |
| Corn (white): | | | | | | | |
| Level of production | 1000 tons | 1785 | 1660 | 1800 | 2000 | 2200 | 1889 |
| Producer price | Naira/ton | 589 | 572 | 627 | 650 | 650 | 618 |
| Value to producers | Mil naira | 1052 | 950 | 1129 | 1300 | 1430 | 1172 |
| Policy transfers to producers: | | | | | | | |
| Fertilizer subsidy | Mil naira | 17.19 | 23.90 | 28.17 | 31.50 | 44.10 | 28.97 |
| Credit subsidy | Mil naira | 3.46 | 3.66 | 4.09 | 4.50 | 4.77 | 4.10 |
| Total policy transfers | Mil naira | 20.65 | 27.56 | 32.26 | 36.01 | 48.87 | 33.07 |
| PSE (per unit value) | Percent | 1.96 | 2.90 | 2.86 | 2.77 | 3.42 | 2.82 |
| PSE (per unit quantity) | Naira/ton | 11.57 | 16.60 | 17.92 | 18.00 | 22.21 | 17.26 |
| | US\$/ton | 17.18 | 22.94 | 23.46 | 20.18 | 16.44 | 1.47 |
| Cocoa: | | | | | | | |
| Level of production | 1000 tons | 156 | 115 | 150 | 110 | 100 | 126 |
| Producer price | Naira/ton | 1300 | 1300 | 1425 | 1500 | 1600 | 1425 |
| Value to producers | Mil naira | 203 | 150 | 214 | 165 | 160 | 178 |
| Policy transfers to producers: | | | | | | | |
| Pesticide subsidy | Mil naira | 3.43 | 2.95 | 5.22 | 2.93 | 3.64 | 3.63 |
| Credit subsidy | Mil naira | 0.67 | 0.58 | 0.77 | 0.57 | 0.53 | 0.62 |
| Marketing board | Mil naira | -5.52 | -8.69 | -54.28 | -41.57 | -95.34 | -41.08 |
| Overvaluation | Mil naira | -320.14 | -308.45 | -889.67 | -573.16 | -367.32 | -491.75 |
| Total policy transfers | Mil naira | -321.56 | -313.62 | -937.96 | -611.23 | -458.49 | -528.57 |
| PSE (per unit value) | Percent | -158.56 | -209.78 | -438.81 | -370.44 | -286.55 | -296.60 |
| PSE (per unit quantity) | Naira/ton | -2061.29 | -2727.09 | -6253.04 | -5556.62 | -4584.87 | -4236.58 |
| | US\$/ton | -3061.02 | -3768.83 | -8185.23 | -6228.97 | -3392.80 | -4927.37 |

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Nigeria PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|----------|----------|---------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Pesticide subsidy | Mil naira | 3.43 | 2.95 | 5.22 | 2.93 | 3.64 | 3.63 |
| Credit subsidy | Mil naira | 6.49 | 6.25 | 7.89 | 7.64 | 7.86 | 7.23 |
| Overvaluation | Mil naira | -737.97 | -735.19 | -1548.82 | -1009.62 | -671.38 | -940.60 |
| Tariff | Mil naira | 24.32 | 77.66 | 111.03 | 87.76 | 23.65 | 64.88 |
| Fertilizer subsidy | Mil naira | 32.37 | 45.29 | 53.11 | 60.60 | 82.77 | 54.83 |
| Marketing board | Mil naira | -3.92 | -3.00 | -44.59 | -34.61 | -83.88 | -34.00 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil naira | -0.91 | -2.61 | -4.82 | -0.65 | 1.95 | -1.41 |
| Corn (white) | Mil naira | 20.65 | 27.56 | 32.26 | 36.01 | 48.87 | 33.07 |
| Rice (milled) | Mil naira | -319.97 | -274.37 | -423.76 | -251.99 | -159.22 | -285.86 |
| Sugar | Mil naira | -17.01 | -23.95 | -30.89 | -32.87 | -18.26 | -24.59 |
| Cotton | Mil naira | -36.49 | -19.05 | -51.01 | -24.57 | -52.19 | -36.66 |
| Cocoa | Mil naira | -321.56 | -313.62 | -937.96 | -611.23 | -458.49 | -528.57 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | -12.5 | -35.8 | -44.6 | -14.4 | 24.9 | -18.7 |
| Corn (white) | Percent | 2.0 | 2.9 | 2.9 | 2.8 | 3.4 | 2.8 |
| Rice (milled) | Percent | -47.8 | -56.1 | -53.3 | -35.5 | -22.9 | -42.6 |
| Sugar | Percent | -139.6 | -169.5 | -294.5 | -244.1 | -124.6 | -189.4 |
| Cotton | Percent | -158.5 | -118.6 | -242.9 | -140.4 | -91.0 | -135.8 |
| Cocoa | Percent | -158.6 | -209.8 | -438.8 | -370.4 | -286.6 | -296.6 |
| Total policy transfers | Mil naira | -675.29 | -606.04 | -1416.17 | -885.30 | -637.34 | -844.02 |
| Value to producers | Mil naira | 1967.23 | 1625.93 | 2179.34 | 2209.75 | 2365.03 | 2069.45 |
| 6-commodity PSE | Percent | -34.3 | -37.3 | -65.0 | -40.1 | -26.9 | -40.8 |

Nigeria CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|---------|---------|---------|--------|----------------|
| Wheat: | | | | | | | |
| Level of consumption | 1000 tons | 1432 | 1257 | 1565 | 1638 | 1001 | 1379 |
| Wholesale price | Naira/ton | 129 | 136 | 140 | 159 | 192 | 151 |
| Cost to consumers | Mil naira | 185 | 171 | 219 | 261 | 192 | 206 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil naira | -19.28 | -18.66 | -23.70 | -27.41 | -22.11 | -22.23 |
| Overvaluation | Mil naira | 284.45 | 333.81 | 727.34 | 722.90 | 275.85 | 468.87 |
| Total policy transfers | Mil naira | 265.17 | 315.15 | 703.64 | 695.49 | 253.74 | 446.64 |
| CSE (per unit value) | Percent | 143.27 | 184.09 | 321.10 | 266.96 | 132.33 | 217.30 |
| CSE (per unit quantity) | Naira/ton | 185.17 | 250.72 | 449.61 | 424.60 | 253.49 | 312.72 |
| | US\$/ton | 274.98 | 346.49 | 588.54 | 475.97 | 187.58 | 374.71 |
| Rice (milled): | | | | | | | |
| Level of consumption | 1000 tons | 1192 | 1291 | 1144 | 1210 | 800 | 1127 |
| Retail price | Naira/ton | 1202 | 1237 | 1996 | 2447 | 2376 | 1852 |
| Cost to consumers | Mil naira | 1433 | 1597 | 2283 | 2961 | 1901 | 2035 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil naira | -30.00 | -113.52 | -137.13 | -148.54 | -27.15 | -91.27 |
| Overvaluation | Mil naira | 563.48 | 627.09 | 785.97 | 538.17 | 309.86 | 564.91 |
| Total policy transfers | Mil naira | 533.48 | 513.57 | 648.84 | 389.63 | 282.71 | 473.65 |
| CSE (per unit value) | Percent | 37.23 | 32.16 | 28.42 | 13.16 | 14.87 | 23.28 |
| CSE (per unit quantity) | Naira/ton | 447.55 | 397.81 | 567.17 | 322.01 | 353.39 | 417.58 |
| | US\$/ton | 664.61 | 549.77 | 742.42 | 360.97 | 261.51 | 515.86 |
| Sugar: | | | | | | | |
| Level of consumption | 1000 tons | 899 | 835 | 468 | 569 | 540 | 662 |
| Retail price | Naira/ton | 226 | 244 | 191 | 195 | 366 | 244 |
| Cost to consumers | Mil naira | 203 | 203 | 89 | 111 | 198 | 161 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil naira | -20.28 | -40.67 | -26.78 | -33.31 | -29.67 | -30.14 |
| Overvaluation | Mil naira | 311.62 | 396.48 | 296.32 | 308.12 | 284.58 | 319.42 |
| Total policy transfers | Mil naira | 291.34 | 355.81 | 269.54 | 274.81 | 254.91 | 289.28 |
| CSE (per unit value) | Percent | 143.68 | 174.98 | 301.93 | 247.47 | 128.86 | 179.84 |
| CSE (per unit quantity) | Naira/ton | 324.18 | 426.27 | 575.69 | 482.97 | 472.06 | 456.23 |
| | US\$/ton | 481.41 | 589.11 | 753.58 | 541.41 | 349.32 | 542.97 |

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Nigeria CSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Cotton (lint): | | | | | | | |
| Level of consumption | 1000 tons | 30 | 38 | 60 | 50 | 74 | 50 |
| Wholesale price | Naira/ton | 1280 | 1120 | 1222 | 1345 | 1883 | 1370 |
| Cost to consumers | Mil naira | 38 | 43 | 73 | 67 | 139 | 72 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil naira | -12.58 | -13.90 | -24.20 | -16.81 | -27.87 | -19.07 |
| Overvaluation | Mil naira | 58.60 | 82.12 | 243.43 | 186.53 | 200.45 | 154.23 |
| Total policy transfers | Mil naira | 46.02 | 68.22 | 219.23 | 169.72 | 172.58 | 135.15 |
| CSE (per unit value) | Percent | 119.89 | 160.28 | 298.93 | 252.47 | 123.85 | 187.27 |
| CSE (per unit quantity) | Naira/ton | 1534.00 | 1795.26 | 3653.83 | 3394.40 | 2332.16 | 2541.93 |
| | \$/ton | 2277.99 | 2481.05 | 4782.87 | 3805.12 | 1725.80 | 3014.57 |
| Corn (yellow): | | | | | | | |
| Level of consumption | 1000 tons | 347 | 50 | 103 | 97 | 25 | 124 |
| Wholesale price | Naira/ton | 92 | 109 | 118 | 116 | 149 | 117 |
| Cost to consumers | Mil naira | 32 | 5 | 12 | 11 | 4 | 13 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil naira | -3.18 | -0.54 | -1.22 | -1.13 | -0.37 | -1.29 |
| Overvaluation | Mil naira | 48.84 | 10.58 | 40.48 | 31.22 | 5.35 | 27.29 |
| Total policy transfers | Mil naira | 45.66 | 10.04 | 39.26 | 30.09 | 4.98 | 26.01 |
| CSE (per unit value) | Percent | 143.68 | 185.00 | 321.90 | 267.40 | 134.03 | 202.00 |
| CSE (per unit quantity) | Naira/ton | 131.59 | 200.80 | 381.17 | 310.21 | 199.20 | 244.59 |
| | US\$/ton | 195.40 | 277.51 | 498.95 | 347.74 | 147.41 | 293.40 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Tariff | Mil naira | -85.32 | -187.29 | -213.03 | -227.20 | -107.17 | -164.00 |
| Overvaluation | Mil naira | 1266.99 | 1450.08 | 2093.54 | 1786.94 | 1076.09 | 1534.73 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil naira | 265.17 | 315.15 | 703.64 | 695.49 | 253.74 | 446.64 |
| Corn (yellow) | Mil naira | 45.66 | 10.04 | 39.26 | 30.09 | 4.98 | 26.01 |
| Rice (milled) | Mil naira | 533.48 | 513.57 | 648.84 | 389.63 | 282.71 | 473.65 |
| Sugar | Mil naira | 291.34 | 355.81 | 269.54 | 274.81 | 254.91 | 289.28 |
| Cotton | Mil naira | 46.02 | 68.22 | 219.23 | 169.72 | 172.58 | 135.15 |
| CSE by commodity: | | | | | | | |
| Wheat | Percent | 143.3 | 184.1 | 321.1 | 267.0 | 132.3 | 217.3 |
| Corn (yellow) | Percent | 143.7 | 185.0 | 321.9 | 267.4 | 134.0 | 202.0 |
| Rice (milled) | Percent | 37.2 | 32.2 | 28.4 | 13.2 | 14.9 | 23.3 |
| Sugar | Percent | 143.7 | 175.0 | 301.9 | 247.5 | 128.9 | 179.8 |
| Cotton | Percent | 119.9 | 160.3 | 298.9 | 252.5 | 123.9 | 187.3 |
| Total policy transfers | Mil naira | 1181.67 | 1262.79 | 1880.51 | 1559.74 | 968.92 | 1370.73 |
| Cost to consumers | Mil naira | 1890.81 | 2019.49 | 2677.36 | 3410.92 | 2433.43 | 2486.40 |
| 5-commodity CSE | Percent | 62.5 | 62.5 | 70.2 | 45.7 | 39.8 | 55.1 |

PAKISTAN
Measured Policies

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State control of trade (includes the impact of producer supports) | cotton PSE, CSE | The Cotton Export Corporation (CEC) is the sole exporter of cotton in Pakistan. The CEC also maintains lint support prices when necessary. CEC losses are covered by the treasury. | Compare producer or wholesale prices of (seed) cotton with export or import parity prices. Prices of representative domestic variety are compared with index price adjusted for transportation, handling, ginning, percentage, and value of cottonseed. |
| Fertilizer assistance | cotton PSE | The Government is the sole importer and covers virtually all domestic marketing costs. It also subsidizes natural gas to fertilizer producers. Fertilizer users are subsidized via subsidies and taxes on fertilizer producers and marketers. High-cost domestic producers are subsidized, and low-cost producers are taxed (via the (development surcharge). Both domestic and imported fertilizer are subsidized. Prices for fertilizer are the same everywhere in the country. | Compare the prices paid for N and P by the farmer with the import parity prices. The budget data on taxes and subsidies to and from domestic and imported fertilizer may reflect abnormal levels of manufacturer profitability and do not measure the impact on farmers. |
| Credit | cotton PSE | Interest-free loans are provided to small farmers (5 ha or less). Subsidized interest rate loans are also provided for agricultural production and investment. | For interest-free loans, use loan volumes and implicit interest rate with the share of area under cotton on small farms. For below-market loans, use rate differentials, loan volumes, and estimated shares to cotton farmers. Estimate the share of short-term loans as the share of fertilizer used on cotton since this is the largest single use of short-term credit. For other loans, the share is estimated to be somewhat higher since cotton is a cash crop, and investment in tubewells, pumps, and tractors is likely to be greater than for food crops. |

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Pakistan: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electricity | cotton PSE | The Government enforces a differential electricity tariff, which includes a sizable subsidy for agriculture. | Use rate differential to agriculture, volume of electricity used by agriculture, and estimated share to cotton. This share is estimated as the share of irrigation water used by cotton since pumps are the primary use for agricultural electricity. |
| Irrigation | cotton PSE | The Government recovers only part of its operating and maintenance expenditures on canal irrigation. The Government also subsidizes the sinking of tubewells. | For canal water, use the difference between expenditures and receipts, as reported by the World Bank, and the share to cotton. For tubewells, use the total subsidy and the share to cotton. The share of assistance to cotton is estimated directly as the share of irrigation water used on cotton. |

PAKISTAN
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Export duty | The Cotton Export Corporation is the sole exporter and pays the duty, but it is normally refunded, so the duty is ignored. |
| All agricultural income is exempt from taxation | Insufficient data. The former land tax and the current Islamic Ushr (production-based tax) partly balance this favorable treatment. |
| Provincial governments subsidize the purchase of sprayers | Insufficient data. The magnitude of this effect is also presumed to be small. |
| Overvaluation of exchange rate | Insufficient data. In the 1980's, the magnitude of this effect can be presumed to be small; the rupee has been consistently depreciated with respect to the dollar. |

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Pakistan PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|----------|---------|----------|--------|----------|----------------|
| Cotton: | | | | | | | |
| Level of production | 1000 mt | 2470 | 1428 | 3022 | 3630 | 3880 | 2886 |
| Producer price | Rs/kg | 4.8 | 7.4 | 5.3 | 5.1 | 5.3 | 5.5 |
| Value to producers | Mil rs | 11733 | 10567 | 15941 | 18332 | 20370 | 15388 |
| Policy transfers to producers: | | | | | | | |
| Trade control | Mil rs | -4382 | -2016 | -5326 | -561 | -8471 | -4151 |
| Fertilizer | Mil rs | 730 | 380 | 754 | 667 | 493 | 605 |
| Credit | Mil rs | 92 | 148 | 184 | 205 | 218 | 169 |
| Electricity | Mil rs | 150 | 151 | 157 | 194 | 227 | 176 |
| Irrigation | Mil rs | 115 | 113 | 151 | 178 | 187 | 149 |
| Total policy transfers | Mil rs | -3295 | -1224 | -4080 | 683 | -7346 | -3052 |
| PSE (per unit value) | Percent | -28.1 | -11.6 | -25.6 | 3.7 | -36.1 | -19.8 |
| PSE (per unit quantity) | Rs/ton | -1334.01 | -857.14 | -1350.10 | 188.15 | -1893.30 | -1049.28 |
| | US\$/ton | -104.63 | -63.59 | -89.06 | 11.66 | -110.20 | -71.16 |

Note: rs = rupees.

SOUTH AFRICA
Measured Policies

(For underscored numbers in parentheses, see References following this table)

| Policy instrument | subsidy equivalent | Affected Policy explanation | Estimation procedure |
|--------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Credit subsidy | wheat PSE sugar PSE corn PSE | The Government of South Africa provided for subsidized interest rates to many activities in the the agricultural sector. | Prime overdraft rates for credit were compared with interest rates charged by Government credit institutions. Public institutional credit was allocated among crops based on (4). |
| Fertilizer subsidy | wheat PSE corn PSE | The Government makes payments to lower the cost of fertilizer to farmers. | The subsidy payments were allocated according to rough estimates of crop use (10). |
| Overvaluation | wheat CSE, PSE sugar CSE, PSE corn CSE, PSE | The official exchange rate overvalued the South African currency, lowering the price of internationally traded commodities. | International prices of commodities (2, 8, 9) were adjusted by estimates of overvaluation (6) and inflation (3). |
| Transport subsidy | wheat PSE corn PSE | The Government grants rebates on transport costs of corn and other feeds, livestock, and fertilizers. | Allocations of these transfer payments (10) were approximated at 20 percent to corn and 5 percent to wheat. |
| Price subsidy | wheat CSE, PSE corn CSE, PSE | Producer prices paid for wheat by the corn and wheat boards were often above import parity prices. The Government provides a subsidy to reduce the price of bread to consumers. The Maize Board's selling price of corn for domestic consumption was below the price except for 1982. | Prices and subsidy data used were taken from (1, 5, 8, 9). |

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South Africa: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Import licensing | sugar PSE, CSE | Import licensing was used to control domestic sugar prices. Estimated domestic prices paid producers exceeded estimated import parity prices. | Using prices from (2) and (7) and ERS estimates for refining costs, an import parity price for raw sugar, Durban, based on the Caribbean price, was made. Using white sugar, wholesale prices, Durban and estimating refining costs an estimate of the domestic new price, Durban, was made. |

SOUTH AFRICA Unmeasured Policies

| Policy instrument | Reason for no measurement |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Fuel subsidy | Data insufficient, magnitude not considered large. |
| Extension and research | Data insufficient to allocate subsidy to individual crops. |
| Monopolistic and protectionist tendencies among agricultural input suppliers | Data insufficient to estimate and allocate costs to individual crops. |
| Restrictions on farm labor mobility | Information insufficient to measure degree of wage reduction and to allocate to individual crops. |

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South Africa PSE's

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|--------|---------|----------------|
| Wheat: | | | | | | | |
| Level of production | 1000 tons | 2420 | 1809 | 2224 | 1680 | 2285 | 2084 |
| Producer price | Rand/ton | 286 | 266 | 289 | 312 | 360 | 303 |
| Value to producers | Mil rand | 692 | 481 | 643 | 524 | 823 | 630 |
| Policy transfers to producers: | | | | | | | |
| Transportation | Mil rand | 0.20 | 0.30 | 1.00 | 0.80 | 0.60 | 0.58 |
| Fertilizer subsidy | Mil rand | 1.80 | 1.60 | 0.50 | 0.50 | 0.40 | 0.96 |
| Credit subsidy | Mil rand | 37.40 | 49.20 | 71.80 | 62.10 | 65.90 | 57.28 |
| Price subsidy | Mil rand | 222.20 | 141.50 | 103.40 | -62.50 | 91.00 | 99.12 |
| Overvaluation | Mil rand | -181.00 | -125.20 | -67.10 | 113.60 | 47.70 | -42.40 |
| Total policy transfers | Mil rand | 80.60 | 67.40 | 109.60 | 114.50 | 205.60 | 115.54 |
| PSE (per unit value) | Percent | 11.65 | 14.01 | 17.05 | 21.84 | 24.99 | 18.33 |
| PSE (per unit quantity) | Rand/ton | 33.31 | 37.26 | 49.28 | 68.15 | 89.98 | 55.60 |
| | US\$/ton | 30.84 | 33.57 | 34.22 | 30.43 | 39.66 | 33.74 |
| Sugar: | | | | | | | |
| Level of production | 1000 tons | 2256 | 1462 | 2514 | 2255 | 2271 | 2152 |
| Producer price | Rand/ton | 196 | 232 | 299 | 228 | 257 | 242 |
| Value to producers | Mil rand | 442 | 340 | 751 | 514 | 583 | 521 |
| Policy transfers to producers: | | | | | | | |
| Import licensing | Mil rand | -73.40 | 6.70 | 258.00 | -55.90 | -289.30 | -30.78 |
| Credit subsidy | Mil rand | 4.70 | 6.20 | 9.00 | 7.80 | 8.20 | 7.18 |
| Overvaluation | Mil rand | -167.10 | -107.10 | -49.80 | 85.10 | 49.00 | -37.98 |
| Total policy transfers | Mil rand | -235.80 | -94.20 | 217.20 | 37.00 | -232.10 | -61.58 |
| PSE (per unit value) | Percent | -53.32 | -27.75 | 28.94 | 7.20 | -39.84 | -11.81 |
| PSE (per unit quantity) | Rand/ton | -104.52 | -64.43 | 86.40 | 16.41 | -102.21 | -33.67 |
| | US\$/ton | -96.78 | -58.05 | 60.00 | 7.32 | -45.05 | -26.51 |
| Corn: | | | | | | | |
| Level of production | 1000 tons | 8355 | 4083 | 4405 | 8136 | 8078 | 6611 |
| Producer price(yellow) | Rand/ton | 134 | 168 | 215 | 215 | 225 | 191 |
| Value to producers | Mil rand | 1120 | 684 | 945 | 1747 | 1820 | 1264 |
| Policy transfers to producers | | | | | | | |
| Transportation | Mil rand | 0.80 | 1.20 | 4.20 | 3.60 | 2.30 | 2.42 |
| Fertilizer subsidy | Mil rand | 8.50 | 7.00 | 2.30 | 2.30 | 1.70 | 4.36 |
| Credit subsidy | Mil rand | 78.00 | 102.60 | 149.50 | 129.40 | 137.30 | 119.36 |
| Price subsidy | Mil rand | 578.6 | 312.3 | 369.5 | 329.8 | 702.2 | 458.48 |
| Overvaluation | Mil rand | -147.50 | -84.50 | -121.40 | 467.70 | 142.30 | 51.32 |
| Total policy transfers | Mil rand | 518.40 | 338.60 | 404.10 | 932.80 | 985.80 | 635.94 |
| PSE (per unit value) | Percent | 46.27 | 49.48 | 42.75 | 53.40 | 54.17 | 50.29 |
| PSE (per unit quantity) | Rand/ton | 62.05 | 82.93 | 91.74 | 114.65 | 122.04 | 94.68 |
| | US\$/ton | 57.45 | 74.71 | 63.71 | 51.18 | 53.78 | 60.17 |

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South Africa PSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy | | | | | | | |
| Transportation | Mil rand | 1.00 | 1.50 | 5.20 | 4.40 | 2.90 | 3.00 |
| Fertilizer subsidy | Mil rand | 10.30 | 8.60 | 2.80 | 2.80 | 2.10 | 5.32 |
| Credit subsidy | Mil rand | 120.10 | 158.00 | 230.30 | 199.30 | 211.40 | 183.82 |
| Price subsidy | Mil rand | 800.80 | 453.80 | 472.90 | 267.30 | 793.20 | 557.60 |
| Import licensing | Mil rand | -73.40 | 6.70 | 258.00 | -55.90 | -289.30 | -30.78 |
| Overvaluation | Mil rand | -495.60 | -316.80 | -238.30 | 666.40 | 239.00 | -29.06 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil rand | 80.60 | 67.40 | 109.60 | 114.50 | 205.60 | 115.54 |
| Corn | Mil rand | 518.40 | 338.60 | 404.10 | 932.80 | 985.80 | 635.94 |
| Sugar | Mil rand | -235.8 | -94.2 | 217.2 | 37 | -232.1 | -61.58 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | 11.6 | 14.0 | 17.1 | 21.8 | 25.0 | 18.3 |
| Corn | Percent | 46.3 | 49.5 | 42.7 | 53.4 | 54.2 | 50.3 |
| Sugar | Percent | -53.3 | -27.7 | 28.9 | 7.2 | -39.8 | -11.8 |
| Total policy transfers | Mil rand | 363.20 | 311.80 | 730.90 | 1084.30 | 959.30 | 689.90 |
| Value to producers | Mil rand | 2254.79 | 1505.03 | 2338.68 | 2784.96 | 3225.15 | 2416.25 |
| 3-commodity PSE | Percent | 16.1 | 20.7 | 31.3 | 38.9 | 29.7 | 28.6 |

South Africa CSE's

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Wheat: | | | | | | | |
| Level of consumption | 1000 tons | 1851 | 1849 | 1962 | 2035 | 2078 | 1955 |
| Wholesale price | Rand/ton | 280 | 280 | 303 | 329 | 388 | 316 |
| Cost to consumers | Mil rand | 518 | 518 | 594 | 670 | 807 | 622 |
| Policy transfers to consumers: | | | | | | | |
| Price subsidy on grain | Mil rand | -144.1 | -156.4 | -101.0 | 61.2 | -141.8 | -96.4 |
| Price subsidy on bread | Mil rand | 182.0 | 193.5 | 267.6 | 194.3 | 180.5 | 203.6 |
| Overvaluation | Mil rand | 138.4 | 127.9 | 59.2 | -137.6 | -43.4 | 28.9 |
| Total policy transfers | Mil rand | 176.3 | 165.0 | 225.8 | 117.9 | -4.7 | 136.1 |
| CSE (per unit value) | Percent | 34.02 | 31.83 | 37.98 | 17.60 | -0.58 | 21.89 |
| CSE (per unit quantity) | Rand/ton | 95.2 | 89.2 | 115.1 | 57.9 | -2.3 | 71.0 |
| | US\$/ton | 88.2 | 80.4 | 79.9 | 25.9 | -1.0 | 54.7 |
| Sugar: | | | | | | | |
| Level of consumption | 1000 tons | 1273 | 1349 | 1366 | 1284 | 1205 | 1295 |
| Wholesale price | Rand/ton | 308 | 342 | 390 | 437 | 516 | 399 |
| Cost to consumers | Mil rand | 392 | 462 | 533 | 561 | 621 | 514 |
| Policy transfers to consumers: | | | | | | | |
| Import licensing | Mil rand | 41.4 | -6.2 | -140.2 | 31.8 | 153.5 | 16.1 |
| Overvaluation | Mil rand | 107.6 | 108.5 | 32.1 | -61.1 | -30.2 | 31.4 |
| Total policy transfers | Mil rand | 149.0 | 102.3 | -108.1 | -29.3 | 123.3 | 47.4 |
| CSE (per unit value) | Percent | 37.99 | 22.16 | -20.29 | -5.22 | 19.84 | 9.23 |
| CSE (per unit quantity) | Rand/ton | 117.0 | 75.8 | -79.1 | -22.8 | 102.3 | 38.6 |
| | US\$/ton | 108.4 | 68.3 | -55.0 | -10.2 | 45.1 | 31.3 |
| Corn: | | | | | | | |
| Level of consumption | 1000 tons | 6279 | 6671 | 7132 | 5724 | 5462 | 6254 |
| Wholesale price (yellow) | Rand/ton | 155 | 170 | 221 | 243 | 266 | 211 |
| Cost to consumers | Mil rand | 975 | 1135 | 1573 | 1389 | 1455 | 1305 |
| Policy transfers to consumers: | | | | | | | |
| Price subsidy on grain | Mil rand | -51.2 | 16.2 | 64.9 | 358.8 | 21.8 | 82.1 |
| Overvaluation | Mil rand | 341.8 | 406.6 | 196.5 | -329.0 | -96.2 | 103.9 |
| Total policy transfers | Mil rand | 290.6 | 422.8 | 261.4 | 29.8 | -74.4 | 186.0 |
| CSE (per unit value) | Percent | 29.80 | 37.26 | 16.62 | 2.15 | -5.12 | 14.25 |
| CSE (per unit quantity) | Rand/ton | 46.3 | 63.4 | 36.7 | 5.2 | -13.6 | 27.6 |
| | US\$/ton | 42.9 | 57.1 | 25.5 | 2.3 | -6.0 | 24.3 |

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South Africa CSE's (continued)

| Item | Units | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Price subsidy on grain | Mil rand | -195.30 | -140.20 | -36.10 | 420.00 | -120.00 | -14.32 |
| Price subsidy on bread | Mil rand | 182.00 | 193.50 | 267.60 | 194.30 | 180.50 | 203.58 |
| Import licensing | Mil rand | 41.40 | -6.20 | -140.20 | 31.80 | 153.50 | 16.06 |
| Overvaluation | Mil rand | 587.80 | 643.00 | 287.80 | -527.70 | -169.82 | 164.22 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil rand | 176.30 | 165.00 | 225.80 | 117.90 | -4.70 | 136.06 |
| Corn | Mil rand | 290.60 | 422.80 | 261.40 | 29.80 | -74.42 | 186.04 |
| Sugar | Mil rand | 149.00 | 102.30 | -108.10 | -29.30 | 123.30 | 47.44 |
| CSE by commodity: | | | | | | | |
| Wheat | Percent | 34.0 | 31.8 | 38.0 | 17.6 | -0.6 | 21.9 |
| Corn | Percent | 29.8 | 37.3 | 16.6 | 2.1 | -5.1 | 14.3 |
| Sugar | Percent | 38.0 | 22.2 | -20.3 | -5.2 | 19.8 | 9.2 |
| Total policy transfers | Mil rand | 615.90 | 690.10 | 379.10 | 118.40 | 44.18 | 369.54 |
| Cost to consumers | Mil rand | 1885.62 | 2114.92 | 2699.85 | 2620.23 | 2882.99 | 2440.72 |
| 3-commodity CSE | Percent | 32.7 | 32.6 | 14.0 | 4.5 | 1.5 | 15.1 |

SOUTH KOREA
Measured Policies

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State control | rice PSE, CSE wheat PSE, CSE corn PSE barley PSE, CSE soybeans PSE, CSE beef PSE, CSE pork PSE, CSE chicken PSE, CSE eggs PSE, CSE milk PSE, CSE sugar CSE | The Government of South Korea strictly controls imports of all covered commodities. Government stabilizes food grain prices through control of distribution and Government stocks and price supports for rice producers. Imports, depending on the particular commodity, are banned, limited exclusively to the Government such as for rice and barley or by license, with quotas often applied. | In most cases, PSE's and CSE's were based on differences between c.i.f. import prices and appropriate domestic prices (producer or wholesale). When import prices were not available, the following reference prices were used: (1) Reference prices for common barley and naked barley were based on barley import prices in Taiwan, while reference price for beer barley was based on common barley import prices in Taiwan adjusted by the difference in calendar year prices between Minneapolis feed barley (#2) and Minneapolis malting barley (#3); (2) Reference prices for pork and chicken were based on Japanese import prices of pork and chicken; (3) Reference prices for eggs were based on Hong Kong import prices for eggs from the United States; (4) Reference price for rice was based on the medium-grain California rice price. |
| Food production | rice PSE barley PSE soybeans PSE beef PSE pork PSE milk PSE | Mainly Government subsidized production credit and subsidies for imports, such as seeds, fertilizers, and pesticides | In direct proportion to each product's contribution to the total value of all agricultural products (TVP). |
| Agricultural mechanization | rice PSE wheat PSE corn PSE barley PSE soybeans PSE | Mechanized hand tillers are more widely used due to Government subsidized credit and/or prices. Designed to reduce labor shortages during peak demand periods such as in April and June when transplanted, and when barley is harvested. | In direct proportion to each crop's contribution to the total planted area in all crops. |
| Irrigation development | rice PSE | Irrigation infrastructure | Assumed 90 percent for rice; none for other crops for which PSE's were developed. |

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South Korea: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|
| Agricultural infrastructure development | rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE | Industry land leveling and drainage projects | In direct proportion to each product's share of the TVP |
| Integrated large-scale agricultural development | rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE | Budgetary expense | In direct proportion to each product's share of TVP |
| Marketing improvement | beef PSE pork PSE chicken PSE | Budgetary expense | In direct proportion to each product's share of the total value of livestock products (TVLP) |
| Specialized agricultural and livestock project | beef PSE pork PSE chicken PSE eggs PSE milk PSE | Budgetary expense | 75 percent of the product share of TVLP multiplied by the budgetary amount |
| Agricultural development | rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE | Budgetary expense | In direct proportion to each product's share of total agricultural sales |
| Rural income source development | beef PSE pork PSE chicken PSE eggs PSE milk PSE | Budgetary expense | 50 percent of the product share of TVLP multiplied by the budgetary amount |
| Current expenditure | rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE | Budgetary expense | In direct proportion to each product's share of TVP |

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South Korea PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Wheat: | | | | | | | |
| Level of production | 1000 tons | 65.8 | 111.6 | 17.2 | 10.5 | 5.0 | 42.0 |
| Producer price | Won/ton | 334379 | 335817 | 290301 | 275961 | 296471 | 306586 |
| Value to producers | Mil won | 22002 | 37477 | 4993 | 2898 | 1482 | 13770 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 13891 | 21722 | 2660 | 1479 | 881 | 8127 |
| Agricultural mechanization | Mil won | 270 | 260 | 20 | 10 | 20 | 116 |
| Total transfers | Mil won | 14161 | 21982 | 2680 | 1489 | 901 | 8243 |
| PSE (per unit value) | Percent | 64.4 | 58.7 | 53.7 | 51.4 | 60.8 | 59.9 |
| PSE (per unit quantity) | Won/ton | 215211 | 196975 | 155814 | 141810 | 180280 | 178018 |
| | US\$/ton | 294 | 254 | 193 | 163 | 205 | 222 |
| Corn: | | | | | | | |
| Level of production | 1000 tons | 117 | 101 | 133 | 132 | 113 | 119 |
| Producer price | Won/ton | 210174 | 233690 | 275909 | 281311 | 289359 | 258089 |
| Value to producers | Mil won | 24590 | 23603 | 36696 | 37133 | 32698 | 30944 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 13160 | 12413 | 19586 | 22620 | 22916 | 18139 |
| Agricultural mechanization | Mil won | 390 | 270 | 70 | 260 | 270 | 252 |
| Total transfers | Mil won | 13550 | 12683 | 19656 | 22880 | 23186 | 18391 |
| PSE (per unit value) | Percent | 55.1 | 53.7 | 53.6 | 61.6 | 70.9 | 59.4 |
| PSE (per unit quantity) | Won/ton | 115810 | 125572 | 147789 | 173333 | 205189 | 153539 |
| | US\$/ton | 158 | 162 | 183 | 199 | 233 | 187 |
| Rice: | | | | | | | |
| Level of production: | | | | | | | |
| Traditional | 1000 tons | 3260 | 3365 | 3829 | 3890 | 3907 | 3650 |
| High yielding | 1000 tons | 1891 | 2023 | 1842 | 1729 | 1700 | 1837 |
| Producer price: | | | | | | | |
| Traditional | Won/ton | 718275 | 735338 | 754250 | 827500 | 912500 | 789573 |
| High yielding | Won/ton | 646012 | 638250 | 654825 | 703538 | 730625 | 674650 |
| Value to producers | Mil won | 3563185 | 3765592 | 4094211 | 4435392 | 4807200 | 4133116 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 2190376 | 2467044 | 2712996 | 2983230 | 3399560 | 2750641 |
| Food production | Mil won | 4210 | 4920 | 4490 | 3990 | 4480 | 4418 |
| Agricultural mechanization | Mil won | 16370 | 12200 | 3050 | 3240 | 12730 | 9518 |
| Irrigation development | Mil won | 93870 | 133650 | 141480 | 126900 | 128160 | 124812 |
| Ag infra-structure dev | Mil won | 19880 | 19170 | 24780 | 23700 | 40640 | 25634 |
| Large scale ag dev | Mil won | 38030 | 35510 | 39900 | 36650 | 41370 | 38292 |
| Agricultural development | Mil won | 12240 | 13650 | 10560 | 28770 | 52740 | 23592 |
| Current expenditure | Mil won | 0 | 0 | 0 | 3600 | 4030 | 1526 |
| Total transfers | Mil won | 2374976 | 2686144 | 2937256 | 3210080 | 3683710 | 2978433 |
| PSE (per unit value) | Percent | 66.7 | 71.3 | 71.7 | 72.4 | 76.6 | 72.1 |
| PSE (per unit quantity) | Won/ton | 461071 | 498542 | 517943 | 571290 | 656984 | 541166 |
| | US\$/ton | 631 | 643 | 643 | 657 | 745 | 664 |

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South Korea PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Barley: | | | | | | | |
| Level of production: | | | | | | | |
| Common | 1000 tons | 305 | 392 | 340 | 250 | 192 | 296 |
| Naked | 1000 tons | 654 | 669 | 625 | 312 | 233 | 499 |
| Beer | 1000 tons | 99 | 99 | 165 | 230 | 200 | 159 |
| Producer price: | | | | | | | |
| Common | Won/ton | 271477 | 279634 | 288328 | 305804 | 357372 | 300523 |
| Naked | Won/ton | 299907 | 308248 | 318144 | 336994 | 372614 | 327181 |
| Beer | Won/ton | 316320 | 319040 | 325440 | 343360 | 353252 | 331482 |
| Value to producers | Mil won | 310440 | 347058 | 350655 | 260566 | 226085 | 298961 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 187162 | 219551 | 209560 | 161820 | 160415 | 187701 |
| Food production | Mil won | 380 | 450 | 380 | 230 | 210 | 330 |
| Agricultural mechanization | Mil won | 4370 | 3200 | 840 | 620 | 1930 | 2192 |
| Ag infra-structure dev | Mil won | 1780 | 1760 | 2120 | 1390 | 1940 | 1798 |
| Large scale ag dev | Mil won | 3410 | 3260 | 2410 | 2150 | 1970 | 2640 |
| Agricultural development | Mil won | 1100 | 1260 | 900 | 1690 | 2520 | 1494 |
| Current expenditure | Mil won | 0 | 0 | 0 | 210 | 190 | 80 |
| Total transfers | Mil won | 198202 | 229481 | 216210 | 168110 | 169175 | 196235 |
| PSE (per unit value) | Percent | 63.8 | 66.1 | 61.7 | 64.5 | 74.8 | 65.6 |
| PSE (per unit quantity) | Won/ton | 187230 | 198033 | 191285 | 212260 | 270680 | 211898 |
| | US\$/ton | 256 | 255 | 237 | 244 | 307 | 260 |
| Soybeans: | | | | | | | |
| Level of production | 1000 tons | 233 | 226 | 254 | 234 | 234 | 236 |
| Producer price | Won/ton | 727140 | 806605 | 797862 | 774092 | 783352 | 777810 |
| Value to producers | Mil won | 169714 | 182615 | 202258 | 181138 | 183304 | 183806 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 123556 | 133438 | 137826 | 130500 | 136617 | 132387 |
| Food production | Mil won | 200 | 240 | 220 | 160 | 150 | 194 |
| Agricultural mechanization | Mil won | 2520 | 1810 | 470 | 410 | 1850 | 1412 |
| Ag infra-structure dev | Mil won | 940 | 930 | 1220 | 970 | 1320 | 1076 |
| Large scale ag dev | Mil won | 1800 | 1720 | 1970 | 1490 | 1340 | 1664 |
| Agricultural development | Mil won | 580 | 660 | 520 | 1170 | 1710 | 928 |
| Current expenditure | Mil won | 0 | 0 | 0 | 150 | 130 | 56 |
| Total transfers | Mil won | 129596 | 138798 | 142226 | 134850 | 143117 | 137717 |
| PSE (per unit value) | Percent | 76.4 | 76.0 | 70.3 | 74.4 | 78.1 | 74.9 |
| PSE (per unit quantity) | Won/ton | 555252 | 613064 | 561049 | 576282 | 611611 | 583452 |
| | US\$/ton | 759 | 790 | 696 | 662 | 694 | 720 |

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South Korea PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Beef: | | | | | | | |
| Level of production | 1000 tons | 83 | 90 | 122 | 161 | 190 | 129 |
| Producer price | Won/ton | 5437000 | 5927000 | 5723000 | 4384000 | 3875000 | 5069200 |
| Value to producers | Mil won | 451271 | 533430 | 698206 | 705824 | 736250 | 624996 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 329726 | 387900 | 497302 | 392370 | 334932 | 388446 |
| Food production | Mil won | 760 | 1430 | 1200 | 860 | 690 | 988 |
| Ag infra-structure dev | Mil won | 3600 | 5590 | 6610 | 5080 | 6230 | 5422 |
| Large scale ag dev | Mil won | 6890 | 10360 | 10650 | 7860 | 6340 | 8420 |
| Marketing improvement | Mil won | 1980 | 3380 | 3180 | 3610 | 7690 | 3968 |
| Ag & livestock project | Mil won | 1690 | 1510 | 1240 | 1170 | 1250 | 1372 |
| Agricultural development | Mil won | 2220 | 3980 | 2820 | 6170 | 8080 | 4654 |
| Rural income source dev | Mil won | 0 | 0 | 450 | 4140 | 4040 | 1726 |
| Current expenditure | Mil won | 0 | 0 | 0 | 770 | 620 | 278 |
| Total transfers | Mil won | 346866 | 414150 | 523452 | 422030 | 369872 | 415274 |
| PSE (per unit value) | Percent | 76.9 | 77.6 | 75.0 | 59.8 | 50.2 | 66.4 |
| PSE (per unit quantity) | Won/ton | 4179110 | 4601667 | 4290590 | 2621304 | 1946695 | 3527873 |
| | US\$/ton | 5716 | 5932 | 5323 | 3013 | 2209 | 4439 |
| Pork: | | | | | | | |
| Level of production | 1000 tons | 238 | 295 | 341 | 345 | 346 | 313 |
| Producer price | Won/ton | 2527000 | 2198000 | 1894000 | 2341000 | 2436000 | 2279200 |
| Value to producers | Mil won | 601426 | 648410 | 645854 | 807645 | 842856 | 709238 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 166691 | 83011 | -109616 | -17400 | -304964 | -36456 |
| Food production | Mil won | 1030 | 1390 | 870 | 940 | 790 | 1004 |
| Ag infra-structure dev | Mil won | 4860 | 5430 | 4790 | 5570 | 7210 | 5572 |
| Large scale ag dev | Mil won | 9300 | 10060 | 7710 | 8610 | 7340 | 8604 |
| Marketing improvement | Mil won | 2670 | 3280 | 2300 | 3460 | 8910 | 4124 |
| Ag & livestock project | Mil won | 2280 | 1460 | 900 | 1280 | 1450 | 1474 |
| Agricultural development | Mil won | 2990 | 3870 | 2040 | 6760 | 9350 | 5002 |
| Rural income source dev | Mil won | 0 | 0 | 330 | 4530 | 4680 | 1908 |
| Current expenditure | Mil won | 0 | 0 | 0 | 840 | 720 | 312 |
| Total transfers | Mil won | 189821 | 108501 | -90676 | 14590 | -264514 | -8456 |
| PSE (per unit value) | Percent | 31.6 | 16.7 | -14.0 | 1.8 | -31.4 | -1.2 |
| PSE (per unit quantity) | Won/ton | 797567 | 367800 | -265912 | 42290 | -764492 | -116472 |
| | US\$/ton | 1091 | 474 | -330 | 49 | -867 | 83 |

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South Korea PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Chicken: | | | | | | | |
| Level of production | 1000 tons | 99 | 120 | 118 | 126 | 130 | 119 |
| Producer price | Won/ton | 1461000 | 1386000 | 1583000 | 1574000 | 1475000 | 1495800 |
| Value to producers | Mil won | 144639 | 166320 | 186794 | 198324 | 191750 | 177565 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 46059 | 54306 | 63674 | 83520 | 80207 | 65553 |
| Food production | Mil won | 360 | 380 | 320 | 270 | 180 | 302 |
| Ag infra-structure dev | Mil won | 1690 | 1470 | 1750 | 1610 | 1640 | 1632 |
| Large scale ag dev | Mil won | 3230 | 2720 | 2810 | 2500 | 1660 | 2584 |
| Marketing improvement | Mil won | 930 | 890 | 840 | 1000 | 2020 | 1136 |
| Ag & livestock project | Mil won | 790 | 400 | 330 | 370 | 330 | 444 |
| Agricultural development | Mil won | 1040 | 1050 | 740 | 1960 | 2120 | 1382 |
| Rural income source dev | Mil won | 0 | 0 | 120 | 1310 | 1060 | 498 |
| Current expenditure | Mil won | 0 | 0 | 0 | 250 | 160 | 82 |
| Total transfers | Mil won | 54099 | 61216 | 70584 | 92790 | 89377 | 73613 |
| PSE (per unit value) | Percent | 37.4 | 36.8 | 37.8 | 46.8 | 46.6 | 41.5 |
| PSE (per unit quantity) | Won/ton | 546458 | 510133 | 598169 | 736429 | 687518 | 81413 |
| | US\$/ton | 747 | 658 | 742 | 846 | 780 | 755 |
| Eggs: | | | | | | | |
| Level of production | 1000 tons | 223 | 245 | 245 | 256 | 267 | 247 |
| Producer price | Won/ton | 901201 | 975807 | 1024194 | 991936 | 899194 | 958466 |
| Value to producers | Mil won | 200968 | 239073 | 250928 | 253936 | 240085 | 236998 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 12429 | 34135 | 34658 | 23490 | -1763 | 20590 |
| Food production | Mil won | 230 | 310 | 270 | 230 | 230 | 254 |
| Ag infra-structure dev | Mil won | 1080 | 1220 | 1490 | 1380 | 2120 | 1458 |
| Large scale ag dev | Mil won | 2070 | 2250 | 2400 | 2130 | 2160 | 2202 |
| Marketing improvement | Mil won | 600 | 730 | 720 | 860 | 2620 | 1106 |
| Ag & livestock project | Mil won | 510 | 330 | 280 | 320 | 430 | 374 |
| Agricultural development | Mil won | 670 | 870 | 640 | 1680 | 2750 | 1322 |
| Rural income source dev | Mil won | 0 | 0 | 100 | 1120 | 1380 | 520 |
| Current expenditure | Mil won | 0 | 0 | 0 | 210 | 210 | 84 |
| Total transfers | Mil won | 17589 | 39845 | 40558 | 31420 | 10137 | 27910 |
| PSE (per unit value) | Percent | 8.8 | 16.7 | 16.2 | 12.4 | 4.2 | 11.8 |
| PSE (per unit quantity) | Won/ton | 78873 | 162633 | 165543 | 122734 | 37967 | 113550 |
| | US\$/ton | 108 | 210 | 205 | 141 | 43 | 141 |

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South Korea PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|--------|--------|--------|--------|--------|----------------|
| Milk: | | | | | | | |
| Level of production | 1000 tons | 576 | 712 | 840 | 1006 | 1127 | 852 |
| Producer price | Won/ton | 312000 | 313000 | 313000 | 317000 | 322000 | 315400 |
| Value to producers | Mil won | 179712 | 222856 | 262920 | 318902 | 362894 | 269457 |
| Policy transfers to producers: | | | | | | | |
| Price stabilization | Mil won | 82614 | 112491 | 162006 | 81780 | 142787 | 116336 |
| Food production | Mil won | 210 | 290 | 290 | 290 | 340 | 284 |
| Ag infra-structure dev | Mil won | 1000 | 1130 | 1590 | 1730 | 3130 | 1716 |
| Large scale ag dev | Mil won | 1920 | 2100 | 2560 | 2670 | 3190 | 2488 |
| Marketing improvement | Mil won | 550 | 690 | 760 | 1070 | 3870 | 1388 |
| Ag & livestock project | Mil won | 470 | 310 | 300 | 400 | 630 | 422 |
| Agricultural development | Mil won | 620 | 810 | 680 | 2100 | 4060 | 1654 |
| Rural income source dev | Mil won | 0 | 0 | 110 | 1410 | 2030 | 710 |
| Current expenditure | Mil won | 0 | 0 | 0 | 260 | 310 | 114 |
| Total transfers | Mil won | 87384 | 117821 | 168296 | 91710 | 160347 | 125112 |
| PSE (per unit value) | Percent | 48.6 | 52.9 | 64.0 | 28.8 | 44.2 | 46.4 |
| PSE (per unit quantity) | Won/ton | 151709 | 165479 | 200352 | 91163 | 142278 | 150196 |
| | US\$/ton | 208 | 213 | 249 | 105 | 161 | 187 |

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South Korea PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|---------|---------|---------|---------|---------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Price stabilization | Mil won | 3165663 | 3526011 | 3730652 | 3863409 | 3971588 | 3651465 |
| Agricultural mechanization | Mil won | 23920 | 17740 | 4450 | 4540 | 16800 | 13490 |
| Food production | Mil won | 7380 | 9410 | 8040 | 6970 | 7070 | 7774 |
| Irrigation development | Mil won | 93870 | 133650 | 141480 | 126900 | 128160 | 124812 |
| Ag infra-structure dev | Mil won | 34830 | 36700 | 44350 | 41430 | 64230 | 44308 |
| Large scale ag dev | Mil won | 66650 | 67980 | 70410 | 64060 | 65370 | 66894 |
| Agricultural development | Mil won | 21460 | 26150 | 18900 | 50300 | 83330 | 40028 |
| Current expenditure | Mil won | 0 | 0 | 0 | 6290 | 6370 | 2532 |
| Marketing improvement | Mil won | 6730 | 8970 | 7800 | 10000 | 25110 | 11722 |
| Ag & livestock project | Mil won | 5740 | 4010 | 3050 | 3540 | 4090 | 4086 |
| Rural income source dev | Mil won | 0 | 0 | 1110 | 12510 | 13190 | 5362 |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil won | 14161 | 21982 | 2680 | 1489 | 901 | 8243 |
| Corn | Mil won | 13550 | 12683 | 19656 | 22880 | 23186 | 18391 |
| Rice | Mil won | 2374976 | 2686144 | 2937256 | 3210080 | 3683710 | 2978433 |
| Barley | Mil won | 198202 | 229481 | 216210 | 168110 | 169175 | 196235 |
| Soybeans | Mil won | 129596 | 138798 | 142226 | 134850 | 143117 | 137717 |
| Beef | Mil won | 346866 | 414150 | 523452 | 422030 | 369872 | 415274 |
| Pork | Mil won | 189821 | 108501 | -90676 | 14590 | -264514 | -8456 |
| Chicken | Mil won | 54099 | 61216 | 70584 | 92790 | 89377 | 73613 |
| Eggs | Mil won | 17589 | 39845 | 40558 | 31420 | 10137 | 27910 |
| Milk | Mil won | 87384 | 117821 | 168296 | 91710 | 160347 | 125112 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | 64.4 | 58.7 | 53.7 | 51.4 | 60.8 | 59.9 |
| Corn | Percent | 55.1 | 53.7 | 53.6 | 61.6 | 70.9 | 59.4 |
| Rice | Percent | 66.7 | 71.3 | 71.7 | 72.4 | 76.6 | 72.1 |
| Barley | Percent | 63.8 | 66.1 | 61.7 | 64.5 | 74.8 | 65.6 |
| Soybeans | Percent | 76.4 | 76.0 | 70.3 | 74.4 | 78.1 | 74.9 |
| Beef | Percent | 76.9 | 77.6 | 75.0 | 59.8 | 50.2 | 66.4 |
| Pork | Percent | 31.6 | 16.7 | -14.0 | 1.8 | -31.4 | -1.2 |
| Chicken | Percent | 37.4 | 36.8 | 37.8 | 46.8 | 46.6 | 41.5 |
| Eggs | Percent | 8.8 | 16.7 | 16.2 | 12.4 | 4.2 | 11.8 |
| Milk | Percent | 48.6 | 52.9 | 64.0 | 28.8 | 44.2 | 46.4 |
| Total transfers | Mil won | 3426243 | 3830621 | 4030242 | 4189949 | 4385308 | 3972473 |
| Value to producers | Mil won | 5667948 | 6166434 | 6733514 | 7201757 | 7624604 | 6678852 |
| 10-commodity PSE | Percent | 60.4 | 62.1 | 59.9 | 58.2 | 57.5 | 59.5 |

South Korea CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Rice: | | | | | | | |
| Level of consumption | 1000 tons | 5457 | 5303 | 5540 | 5497 | 5787 | 5517 |
| Wholesale price | Won/ton | 758675 | 764550 | 768100 | 830025 | 893625 | 802995 |
| Cost to consumers | Mil won | 4140089 | 4054409 | 4255274 | 4562647 | 5171408 | 4436765 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -2684599 | -2832446 | -2973415 | -3175500 | -3753618 | -3083916 |
| Total transfers | Mil won | -2684599 | -2832446 | -2973415 | -3175500 | -3753618 | -3083916 |
| CSE (per unit value) | Percent | -64.8 | -69.9 | -69.9 | -69.6 | -72.6 | -69.5 |
| CSE (per unit quantity) | Won/ton | -491955 | -534121 | -536718 | -577679 | -648629 | -557820 |
| | US\$/ton | -673 | -688 | -666 | -664 | -736 | -685 |
| Wheat flour: | | | | | | | |
| Level of consumption | 1000 tons | 1580 | 1592 | 1612 | 1633 | 1632 | 1610 |
| Wholesale price | Won/ton | 204320 | 192820 | 191229 | 216548 | 236957 | 208375 |
| Cost to consumers | Mil won | 322826 | 306969 | 308261 | 353623 | 386714 | 335679 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | 105278 | 33359 | 73910 | 81954 | -6082 | 57684 |
| Total transfers | Mil won | 105278 | 33359 | 73910 | 81954 | -6082 | 57684 |
| CSE (per unit value) | Percent | 32.6 | 10.9 | 24.0 | 23.2 | -1.6 | 17.2 |
| CSE (per unit quantity) | Won/ton | 66632 | 20954 | 45850 | 50186 | -3727 | 35979 |
| | US\$/ton | 91 | 27 | 57 | 58 | -4 | 46 |
| Barley: | | | | | | | |
| Level of consumption | 1000 tons | 704 | 776 | 781 | 730 | 500 | 698 |
| Wholesale price | Won/ton | 289164 | 369059 | 406667 | 433333 | 449608 | 389566 |
| Cost to consumers | Mil won | 203571 | 286390 | 317607 | 316333 | 224804 | 269741 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -123410 | -202329 | -221569 | -230724 | -176280 | -190862 |
| Total transfers | Mil won | -123410 | -202329 | -221569 | -230724 | -176280 | -190862 |
| CSE (per unit value) | Percent | -60.6 | -70.6 | -69.8 | -72.9 | -78.4 | -70.8 |
| CSE (per unit quantity) | Won/ton | -175298 | -260733 | -283699 | -316060 | -352560 | -277670 |
| | US\$/ton | -240 | -336 | -352 | -363 | -400 | -338 |
| Soybeans: | | | | | | | |
| Level of consumption | 1000 tons | 806 | 919 | 937 | 1108 | 1220 | 998 |
| Wholesale price | Won/ton | 730825 | 855604 | 798423 | 756645 | 815770 | 791453 |
| Cost to consumers | Mil won | 589045 | 786300 | 748122 | 838363 | 995239 | 791414 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -430618 | -587358 | -509070 | -597864 | -752716 | -575525 |
| Total transfers | Mil won | -430618 | -587358 | -509070 | -597864 | -752716 | -575525 |
| CSE (per unit value) | Percent | -73.1 | -74.7 | -68.0 | -71.3 | -75.6 | -72.7 |
| CSE (per unit quantity) | Won/ton | -534266 | -639127 | -543298 | -539588 | -616980 | -574652 |
| | US\$/ton | -731 | -824 | -674 | -620 | -700 | -710 |

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South Korea CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Beef: | | | | | | | |
| Level of consumption | 1000 tons | 148 | 160 | 149 | 168 | 192 | 163 |
| Retail price | Won/ton | 7464000 | 8304000 | 8506000 | 7054000 | 7300000 | 7725600 |
| Cost to consumers | Mil won | 1104672 | 1328640 | 1267394 | 1185072 | 1401600 | 1257476 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -838791 | -1029409 | -898690 | -813972 | -964604 | -909093 |
| Total transfers | Mil won | -838791 | -1029409 | -898690 | -813972 | -964604 | -909093 |
| CSE (per unit value) | Percent | -75.9 | -77.5 | -70.9 | -68.7 | -68.8 | -72.3 |
| CSE (per unit quantity) | Won/ton | -5667507 | -6433806 | -6031477 | -4845071 | -5023979 | -5600368 |
| | US\$/ton | -7752 | -8293 | -7483 | -5569 | -5700 | -6959 |
| Pork: | | | | | | | |
| Level of consumption | 1000 tons | 238 | 294 | 340 | 347 | 346 | 313 |
| Retail price | Won/ton | 3420000 | 3208000 | 2802000 | 3522000 | 3965000 | 3383400 |
| Cost to consumers | Mil won | 813960 | 943152 | 952680 | 1222134 | 1371890 | 1060763 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -176707 | -96975 | 44411 | -115623 | -121986 | -93376 |
| Total transfers | Mil won | -176707 | -96975 | 44411 | -115623 | -121986 | -93376 |
| CSE (per unit value) | Percent | -21.71 | -10.28 | 4.66 | -9.46 | -8.89 | -8.80 |
| CSE (per unit quantity) | Won/ton | -742466 | -329847 | 130621 | -333207 | -352561 | -325492 |
| | US\$/ton | -1015.5 | -425.2 | 162.1 | -383.0 | -400.0 | -412.3 |
| Chicken: | | | | | | | |
| Level of consumption | 1000 tons | 99 | 123 | 121 | 128 | 132 | 121 |
| Retail price | Won/ton | 1522000 | 1363000 | 1642000 | 1711000 | 1603000 | 1568200 |
| Cost to consumers | Mil won | 150678 | 167649 | 198682 | 219008 | 211596 | 189523 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -52127 | -52987 | -72459 | -103878 | -94662 | -75223 |
| Total transfers | Mil won | -52127 | -52987 | -72459 | -103878 | -94662 | -75223 |
| CSE (per unit value) | Percent | -34.6 | -31.6 | -36.5 | -47.4 | -44.7 | -39.7 |
| CSE (per unit quantity) | Won/ton | -526535 | -430789 | -598835 | -811547 | -717136 | -616968 |
| | US\$/ton | -720 | -555 | -743 | -933 | -814 | -753 |
| Eggs: | | | | | | | |
| Level of consumption | 1000 tons | 223 | 245 | 245 | 256 | 267 | 247 |
| Retail price | Won/ton | 993952 | 1122984 | 1151210 | 1141130 | 1112904 | 1104436 |
| Cost to consumers | Mil won | 221651 | 275131 | 282046 | 292129 | 297145 | 273621 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -32753 | -70598 | -65850 | -61770 | -55528 | -57300 |
| Total transfers | Mil won | -32753 | -70598 | -65850 | -61770 | -55528 | -57300 |
| CSE (per unit value) | Percent | -14.8 | -25.7 | -23.3 | -21.1 | -18.7 | -20.9 |
| CSE (per unit quantity) | Won/ton | -146874 | -288155 | -268776 | -241289 | -207970 | -230613 |
| | US\$/ton | -201 | -371 | -333 | -277 | -236 | -284 |

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South Korea's CSE (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Milk: | | | | | | | |
| Level of consumption | 1000 tons | 582 | 716 | 811 | 987 | 1166 | 852 |
| Retail price | Won/ton | 520344 | 520344 | 520344 | 593139 | 593139 | 549462 |
| Cost to consumers | Mil won | 302840 | 372566 | 421999 | 585428 | 691600 | 474887 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -204489 | -261988 | -324254 | -352437 | -463881 | -321410 |
| Total transfers | Mil won | -204489 | -261988 | -324254 | -352437 | -463881 | -321410 |
| CSE (per unit value) | Percent | -67.5 | -70.3 | -76.8 | -60.2 | -67.1 | -67.7 |
| CSE (per unit quantity) | Won/ton | -351356 | -365905 | -399820 | -357079 | -397840 | -374400 |
| | US\$/ton | -481 | -472 | -496 | -410 | -451 | -462 |
| Refined Sugar: | | | | | | | |
| Level of consumption | 1000 tons | 354 | 391 | 421 | 421 | 444 | 406 |
| Wholesale price | Won/ton | 773334 | 698868 | 648134 | 531734 | 528334 | 636081 |
| Cost to consumers | Mil won | 273760 | 273257 | 272864 | 223860 | 234580 | 255664 |
| Policy transfers to consumers: | | | | | | | |
| Price stabilization | Mil won | -185773 | -194726 | -195133 | -158688 | -153628 | -177590 |
| Total transfers | Mil won | -185773 | -194726 | -195133 | -158688 | -153628 | -177590 |
| CSE (per unit value) | Percent | -67.9 | -71.3 | -71.5 | -70.9 | -65.5 | -69.5 |
| CSE (per unit quantity) | Won/ton | -524782 | -498020 | -463499 | -376931 | -346009 | -441848 |
| | US\$/ton | -718 | -642 | -575 | -433 | -393 | -552 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Price stabilization | Mil won | -4623989 | -5295457 | -5142119 | -5528502 | -6542985 | -5426610 |
| Policy transfers by commodity: | | | | | | | |
| Rice | Mil won | -2684599 | -2832446 | -2973415 | -3175500 | -3753618 | -3083915 |
| Wheat flour | Mil won | 105278 | 33359 | 73910 | 81954 | -6082 | 57684 |
| Barley | Mil won | -123410 | -202329 | -221569 | -230724 | -176280 | -190862 |
| Soybeans | Mil won | -430618 | -587358 | -509070 | -597864 | -752716 | -575525 |
| Beef | Mil won | -838791 | -1029409 | -898690 | -813972 | -964604 | -909093 |
| Pork | Mil won | -176707 | -96975 | 44411 | -115623 | -121986 | -93376 |
| Chicken | Mil won | -52127 | -52987 | -72459 | -103878 | -94662 | -75223 |
| Eggs | Mil won | -32753 | -70598 | -65850 | -61770 | -55528 | -57300 |
| Milk | Mil won | -204489 | -261988 | -324254 | -352437 | -463881 | -321410 |
| Sugar | Mil won | -185773 | -194726 | -195133 | -158688 | -153628 | -177590 |
| CSE by commodity: | | | | | | | |
| Rice | Percent | -64.8 | -69.9 | -69.9 | -69.6 | -72.6 | -69.5 |
| Wheat flour | Percent | 32.6 | 10.9 | 24.0 | 23.2 | -1.6 | 17.2 |
| Barley | Percent | -60.6 | -70.6 | -69.8 | -72.9 | -78.4 | -70.8 |
| Soybeans | Percent | -73.1 | -74.7 | -68.0 | -71.3 | -75.6 | -72.7 |
| Beef | Percent | -75.9 | -77.5 | -70.9 | -68.7 | -68.8 | -72.3 |
| Pork | Percent | -21.7 | -10.3 | 4.7 | -9.5 | -8.9 | -8.8 |
| Chicken | Percent | -34.6 | -31.6 | -36.5 | -47.4 | -44.7 | -39.7 |
| Eggs | Percent | -14.8 | -25.7 | -23.3 | -21.1 | -18.7 | -20.9 |
| Milk | Percent | -67.5 | -70.3 | -76.8 | -60.2 | -67.1 | -67.7 |
| Sugar | Percent | -67.9 | -71.3 | -71.5 | -70.9 | -65.5 | -69.5 |
| Total policy transfers | Mil won | -4623989 | -5295457 | -5142119 | -5528502 | -6542985 | -5426610 |
| Cost to consumers | Mil won | 8123093 | 8794464 | 9024930 | 9798598 | 10986577 | 9345532 |
| 10-commodity CSE | Percent | -56.9 | -60.2 | -57.0 | -56.4 | -59.6 | -58.1 |

TAIWAN
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State control | rice PSE, CSE wheat PSE, CSE soybeans PSE, CSE corn PSE, CSE sorghum PSE, CSE tobacco PSE sugar PSE, CSE chicken PSE, CSE milk PSE | Various policy measures caused the price paid or received for a particular commodity to differ from the open market price. | PSE's and CSE's were based on price difference between c.i.f. import prices and appropriate domestic prices (producer or wholesale). When prices were not available, the following references were used : (1) reference price for rice imports was based on the medium-grain California rice price, adjusted for ocean freight; (2) reference prices for tobacco and sugar were based on Taiwan export prices of tobacco and sugar; (3) reference price for chicken was based on Japanese import price of chicken; (4) reference price for consumer wheat price was estimated by summing up the Government's wheat base price for imported wheat as well as import duty, harbor tax, uplift tax, and specific levy (<u>2</u> , <u>3</u> , <u>4</u> , <u>6</u> , <u>7</u>). |
| Tariff | beef PSE, CSE milk PSE | Tariff on beef and milk product imports. | Data based on (<u>3</u> , <u>9</u>). |
| Levy and school lunch program | milk CSE | Levy on milk product imports for Dairy Development Fund, which supported school lunch program. | Data based on (<u>3</u> , <u>9</u>). |
| Budgetary expenditures on farm management improvement | rice PSE corn PSE soybeans PSE sorghum PSE sugar PSE tobacco PSE | Budgetary expenditures to improve the operational structure of agriculture and enlarge the farming scale; policy measures include guidance of joint, cooperative, and entrusted farming operations. | Budget expenditures allocated were based on each crop's share to the total harvested area in all crops (<u>1</u> , <u>5</u>). |
| Budgetary expenditures on production improvement | rice PSE corn PSE soybeans PSE sorghum PSE pork PSE chicken PSE beef PSE | Budgetary expenditures to adjust land use and agricultural production directions; policy measures include promotion of a 6-year Riceland Diversion Program, enhancement of the quality of animal products, and improvement of livestock-raising techniques to improve the structure of agricultural production. | Budget data in (<u>1</u>). For those expenditures that included several products, the allocation was based on each product's value share of all agricultural products (<u>1</u> , <u>5</u>). |

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| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|---------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Budgetary expenditures on the improvement of marketing system | rice PSE corn PSE soybeans PSE sorghum PSE pork PSE chicken PSE | Budgetary expenditures to improve marketing system, expand joint marketing by farmers' groups, and stabilize prices for agricultural products. | Budget data in (1). For those expenditures that included several products, the allocation was based on each product's value share of all agricultural products (1, 5). |
| Budgetary expenditures on infrastructure | all PSE's | Budgetary expenditures for rural public investment to promote effective use of agricultural resources. | Assumed 67 percent for agriculture (includes crop, livestock, fishery, and forestry) which was allocated in direct proportion to each product's contribution to the total value of all agricultural products (1, 5). |
| Budgetary expenditures research & infrastructure | all PSE's | Budgetary expenditures to accelerate the development of techniques for storage and food processing industry; strengthen agricultural extension and education system such as group training of nucleus farmers, train agricultural scientists and technicians, and enhance the service functions of farmers' organizations. | Allocated in direct proportion to each producer's share of the total value of all agricultural products (1, 5). |

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Taiwan PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Rice: | | | | | | | |
| Level of production | 1000 tons | 2484 | 2485 | 2244 | 2174 | 1974 | 2272 |
| Producer price | nt\$/kg | 20 | 20 | 20 | 19 | 18 | 20 |
| Value to producers | Mil Nt\$ | 50417 | 48710 | 45243 | 41297 | 36476 | 44429 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 11898.37 | 11851.46 | 13532.65 | 10073.20 | 10671.09 | 11605.35 |
| Budgetary expenditures: | Mil Nt\$ | 774.92 | 766.12 | 1002.1 | 1023.08 | 821.06 | 877.46 |
| Farm managment | Mil Nt\$ | 75.92 | 88.00 | 89.99 | 80.72 | 51.56 | 77.24 |
| Production | Mil Nt\$ | 45.60 | 40.50 | 82.90 | 95.10 | 73.10 | 67.44 |
| Marketing | Mil Nt\$ | 3.20 | 3.60 | 4.20 | 0.00 | 0.00 | 2.20 |
| Infrastructure | Mil Nt\$ | 535.10 | 522.55 | 719.04 | 743.35 | 581.95 | 620.40 |
| Research and extension | Mil Nt\$ | 115.10 | 111.47 | 105.97 | 103.91 | 114.45 | 110.18 |
| Total policy transfers | Mil Nt\$ | 12673.29 | 12617.58 | 14534.75 | 11096.28 | 11492.15 | 12482.81 |
| PSE (per unit value) | Percent | 25.1 | 25.9 | 32.1 | 26.9 | 31.5 | 28.1 |
| PSE (per unit quantity) | Nt\$/kg | 5.10 | 5.08 | 6.48 | 5.11 | 5.82 | 5.52 |
| | US\$/ton | 130.43 | 126.72 | 163.56 | 128.11 | 153.87 | 140.54 |
| Wheat: | | | | | | | |
| Level of production | 1000 tons | 2.3 | 1.6 | 2.4 | 2.1 | 3.7 | 2.4 |
| Producer price | Nt\$/kg | 17 | 20 | 20 | 20 | 20 | 19 |
| Value to producers | Mil Nt\$ | 38 | 31 | 46 | 42 | 72 | 46 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 20.40 | 18.75 | 28.53 | 26.49 | 49.11 | 28.66 |
| Budgetary expenditures: | Mil Nt\$ | 0.66 | 0.41 | 0.94 | 0.96 | 1.69 | 0.93 |
| Farm managment | Mil Nt\$ | 0.11 | 0.13 | 0.16 | 0.14 | 0.10 | 0.13 |
| Infrastructure | Mil Nt\$ | 0.45 | 0.23 | 0.68 | 0.72 | 1.33 | 0.68 |
| Research and extension | Mil Nt\$ | 0.10 | 0.05 | 0.10 | 0.10 | 0.26 | 0.12 |
| Total policy transfers | Mil Nt\$ | 21.06 | 19.16 | 29.47 | 27.45 | 50.80 | 29.59 |
| PSE (per unit value) | Percent | 55.3 | 62.6 | 64.0 | 66.1 | 70.6 | 64.8 |
| PSE (per unit quantity) | Nt\$/kg | 9.12 | 12.20 | 12.49 | 12.89 | 13.77 | 12.09 |
| | US\$/ton | 233.03 | 304.60 | 315.36 | 323.40 | 363.82 | 308.04 |
| Corn: | | | | | | | |
| Level of production | 1000 tons | 87.23 | 90.86 | 139.50 | 175.70 | 222.01 | 143.06 |
| Producer price | Nt\$/kg | 14.30 | 15.25 | 14.66 | 15.00 | 14.00 | 14.64 |
| Value to producers | Mil Nt\$ | 1247.39 | 1385.62 | 2045.07 | 2635.50 | 3108.14 | 2094.68 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 747.37 | 868.60 | 1153.90 | 1653.34 | 2134.05 | 1311.45 |
| Budgetary expenditures: | Mil Nt\$ | 122.64 | 165.41 | 218.33 | 136.59 | 146.57 | 157.91 |
| Farm managment | Mil Nt\$ | 3.12 | 3.95 | 5.83 | 6.87 | 5.91 | 5.14 |
| Production | Mil Nt\$ | 94.69 | 139.75 | 172.57 | 72.73 | 76.06 | 111.16 |
| Marketing | Mil Nt\$ | 2.52 | 3.56 | 2.57 | 2.72 | 5.34 | 3.34 |
| Infrastructure | Mil Nt\$ | 18.36 | 14.96 | 32.56 | 47.61 | 49.52 | 32.60 |
| Research and extension | Mil Nt\$ | 3.95 | 3.19 | 4.80 | 6.66 | 9.74 | 5.67 |
| Total policy transfers | Mil Nt\$ | 870.01 | 1034.01 | 1372.23 | 1789.93 | 2280.62 | 1469.36 |
| PSE (per unit value) | Percent | 69.7 | 74.6 | 67.1 | 67.9 | 73.4 | 70.1 |
| PSE (per unit quantity) | Nt\$/kg | 9.97 | 11.38 | 9.84 | 10.19 | 10.27 | 10.33 |
| | US\$/ton | 254.93 | 284.04 | 248.42 | 255.64 | 271.47 | 262.90 |

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Taiwan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Soybeans: | | | | | | | |
| Level of production | 1000 tons | 12.04 | 8.59 | 9.55 | 12.21 | 14.89 | 11.46 |
| Producer price | Nt\$/kg | 22.51 | 20.70 | 22.79 | 20.00 | 20.50 | 21.30 |
| Value to producers | Mil Nt\$ | 271.02 | 177.81 | 217.64 | 244.20 | 305.25 | 243.18 |
| Policy transfers to producers | | | | | | | |
| State control | Mil Nt\$ | 132.57 | 87.62 | 94.19 | 114.69 | 175.82 | 120.98 |
| Budgetary expenditures | Mil Nt\$ | 19.87 | 20.69 | 23.07 | 12.81 | 15.04 | 18.30 |
| Farm management | Mil Nt\$ | 0.92 | 0.82 | 0.93 | 1.01 | 0.87 | 0.91 |
| Production | Mil Nt\$ | 15.01 | 17.20 | 17.98 | 6.61 | 7.66 | 12.89 |
| Marketing | Mil Nt\$ | 0.40 | 0.44 | 0.27 | 0.25 | 0.54 | 0.38 |
| Infrastructure | Mil Nt\$ | 2.91 | 1.84 | 3.39 | 4.33 | 4.99 | 3.49 |
| Research and extension | Mil Nt\$ | 0.63 | 0.39 | 0.50 | 0.61 | 0.98 | 0.62 |
| Total policy transfers | Mil Nt\$ | 152.44 | 108.31 | 117.26 | 127.50 | 190.86 | 139.27 |
| PSE (per unit value) | Percent | 56.2 | 60.9 | 53.9 | 52.2 | 62.5 | 57.3 |
| PSE (per unit quantity) | Nt\$/kg | 12.66 | 12.61 | 12.28 | 10.44 | 12.82 | 12.16 |
| | US\$/ton | 323.62 | 314.71 | 310.09 | 262.04 | 338.74 | 309.84 |
| Sorghum: | | | | | | | |
| Level of production | 1000 tons | 13.24 | 13.70 | 32.47 | 86.63 | 96.98 | 48.60 |
| Producer price | Nt\$/kg | 14.50 | 17.06 | 14.00 | 14.00 | 14.00 | 14.71 |
| Value to producers | Mil Nt\$ | 191.98 | 233.72 | 454.58 | 1212.82 | 1357.72 | 690.16 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 122.47 | 158.69 | 269.86 | 798.75 | 998.45 | 469.64 |
| Budgetary expenditures: | Mil Nt\$ | 13.58 | 27.87 | 47.70 | 61.69 | 63.59 | 42.89 |
| Farm management | Mil Nt\$ | 0.46 | 0.55 | 1.22 | 2.72 | 2.23 | 1.44 |
| Production | Mil Nt\$ | 10.39 | 23.65 | 37.75 | 33.06 | 33.18 | 27.61 |
| Marketing | Mil Nt\$ | 0.28 | 0.60 | 0.56 | 1.24 | 2.33 | 1.00 |
| Infrastructure | Mil Nt\$ | 2.02 | 2.53 | 7.12 | 21.64 | 21.60 | 10.98 |
| Research and extension | Mil Nt\$ | 0.43 | 0.54 | 1.05 | 3.03 | 4.25 | 1.86 |
| Total policy transfers | Mil Nt\$ | 136.05 | 186.56 | 317.56 | 860.44 | 1062.04 | 512.53 |
| PSE (per unit value) | Percent | 70.9 | 79.8 | 69.9 | 70.9 | 78.2 | 74.3 |
| PSE (per unit quantity) | Nt\$/kg | 10.28 | 13.62 | 9.78 | 9.93 | 10.95 | 10.91 |
| | US\$/ton | 262.64 | 339.89 | 246.99 | 249.24 | 289.41 | 277.63 |
| Sugar: | | | | | | | |
| Level of production | 1000 tons | 751.33 | 633.16 | 630.28 | 671.33 | 578.02 | 652.82 |
| Producer price | Nt\$/kg | 10.68 | 12.11 | 12.71 | 12.60 | 12.98 | 12.22 |
| Value to producers | Mil Nt\$ | 8024.20 | 7667.57 | 8010.86 | 8458.76 | 7502.70 | 7932.82 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 299.93 | 1448.73 | 1793.74 | 4196.13 | 3123.83 | 2172.47 |
| Budgetary expenditures: | Mil Nt\$ | 117.04 | 112.28 | 158.50 | 185.35 | 149.48 | 144.53 |
| Farm management | Mil Nt\$ | 11.75 | 12.29 | 12.57 | 11.87 | 6.30 | 10.96 |
| Infrastructure | Mil Nt\$ | 86.65 | 82.41 | 127.19 | 152.20 | 119.65 | 113.62 |
| Research and extension | Mil Nt\$ | 18.64 | 17.58 | 18.74 | 21.28 | 23.53 | 19.95 |
| Total policy transfers | Mil Nt\$ | 416.97 | 1561.01 | 1952.24 | 4381.48 | 3273.31 | 2317.00 |
| PSE (per unit value) | Percent | 5.2 | 20.4 | 24.4 | 51.8 | 43.6 | 29.2 |
| PSE (per unit quantity) | Nt\$/kg | 0.55 | 2.47 | 3.10 | 6.53 | 5.66 | 3.66 |
| | US\$/ton | 14.19 | 61.54 | 78.22 | 163.78 | 149.66 | 93.48 |

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Taiwan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Pork: | | | | | | | |
| Level of production | 1000 tons | 614.44 | 655.92 | 731.56 | 830.71 | 868.33 | 740.19 |
| Producer price | Nt\$/kg | 79.48 | 70.39 | 59.96 | 48.22 | 60.84 | 63.78 |
| Value to producers | Mil Nt\$ | 48835.69 | 46170.21 | 43864.34 | 40056.84 | 52829.20 | 46351.25 |
| Policy transfers to producers: | | | | | | | |
| Budgetary expenditures: | Mil Nt\$ | 705.37 | 723.78 | 906.11 | 942.88 | 1124.80 | 880.59 |
| Production | Mil Nt\$ | 27.60 | 61.30 | 52.40 | 54.60 | 49.00 | 48.98 |
| Marketing | Mil Nt\$ | 37.10 | 60.30 | 54.00 | 66.50 | 66.80 | 56.94 |
| Infrastructure | Mil Nt\$ | 527.26 | 496.31 | 696.99 | 720.99 | 843.18 | 656.95 |
| Research and extension | Mil Nt\$ | 113.41 | 105.87 | 102.72 | 100.79 | 165.82 | 117.72 |
| Total policy transfers | Mil Nt\$ | 705.37 | 723.78 | 906.11 | 942.88 | 1124.80 | 880.59 |
| PSE (per unit value) | Percent | 1.4 | 1.6 | 2.1 | 2.4 | 2.1 | 1.9 |
| PSE (per unit quantity) | Nt\$/kg | 1.15 | 1.10 | 1.24 | 1.14 | 1.30 | 1.18 |
| | US\$/ton | 29.34 | 27.54 | 31.28 | 28.48 | 34.23 | 30.18 |
| Chicken: | | | | | | | |
| Level of production | 1000 tons | 216 | 271 | 271 | 272 | 305 | 267 |
| Producer price | Nt\$/kg | 73 | 71 | 69 | 60 | 60 | 66 |
| Value to producers | Mil nt\$ | 15703 | 19184 | 18580 | 16180 | 18164 | 17562 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil nt\$ | 3131.18 | 3694.19 | 2820.75 | 3370.98 | 6301.71 | 3863.76 |
| Budgetary expenditures: | Mil nt\$ | 147.45 | 211.30 | 278.64 | 279.96 | 295.88 | 242.65 |
| Production | Mil nt\$ | 0.00 | 0.70 | 0.00 | 0.00 | 9.20 | 1.98 |
| Marketing | Mil nt\$ | 0.00 | 0.00 | 0.00 | 0.00 | 5.50 | 1.10 |
| Infrastructure | Mil nt\$ | 121.35 | 173.57 | 242.85 | 245.62 | 234.97 | 203.67 |
| Research and extension | Mil nt\$ | 26.10 | 37.03 | 35.79 | 34.34 | 46.21 | 35.89 |
| Total policy transfers | Mil nt\$ | 3278.63 | 3905.49 | 3099.39 | 3650.94 | 6597.59 | 4106.41 |
| PSE (per unit value) | Percent | 20.9 | 20.4 | 16.7 | 22.6 | 36.3 | 23.4 |
| PSE (per unit quantity) | Nt\$/kg | 15.16 | 14.42 | 11.44 | 13.43 | 21.61 | 15.21 |
| | US\$/ton | 387.61 | 359.91 | 288.79 | 337.09 | 571.13 | 388.91 |
| Milk: | | | | | | | |
| Level of production | 1000 tons | 55.86 | 58.02 | 66.93 | 87.88 | 109.72 | 75.68 |
| Producer price | Nt\$/kg | 17.50 | 17.76 | 18.26 | 18.26 | 16.70 | 17.70 |
| Value to producers | Mil Nt\$ | 977.55 | 1030.44 | 1222.14 | 1604.69 | 1832.32 | 1333.43 |
| Policy transfers to producers | | | | | | | |
| State control | Mil Nt\$ | 328.43 | 391.58 | 543.65 | 607.89 | 664.32 | 507.17 |
| Budgetary expenditures | Mil Nt\$ | 46.38 | 51.51 | 64.88 | 75.78 | 84.10 | 64.53 |
| Production | Mil Nt\$ | 33.6 | 38.1 | 42.7 | 42.9 | 49.1 | 41.28 |
| Infrastructure | Mil Nt\$ | 10.52 | 11.05 | 19.33 | 28.85 | 29.25 | 19.80 |
| Research and extension | Mil Nt\$ | 2.26 | 2.36 | 2.85 | 4.03 | 5.75 | 3.45 |
| Total policy transfers | Mil Nt\$ | 374.81 | 443.09 | 608.53 | 683.67 | 748.42 | 571.70 |
| PSE (per unit value) | Percent | 38.3 | 43.0 | 49.8 | 42.6 | 40.8 | 42.9 |
| PSE (per unit quantity) | Nt\$/kg | 6.71 | 7.64 | 9.09 | 7.78 | 6.82 | 7.61 |
| | US\$/ton | 171.50 | 190.61 | 229.61 | 195.22 | 180.26 | 193.44 |

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Taiwan PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Beef: | | | | | | | |
| Level of production | 1000 tons | 5.74 | 6.62 | 6.48 | 4.35 | 3.88 | 5.41 |
| Producer price | Nt\$/kg | 202.57 | 217.48 | 210.45 | 222.22 | 223.84 | 215.31 |
| Value to producers | Mil Nt\$ | 1162.75 | 1439.72 | 1363.72 | 966.66 | 868.50 | 1160.27 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 180.79 | 206.23 | 240.55 | 153.99 | 130.46 | 182.40 |
| Budgetary expenditures: | Mil Nt\$ | 15.24 | 27.61 | 39.71 | 33.23 | 41.41 | 31.44 |
| Production | Mil Nt\$ | 0.00 | 8.90 | 14.80 | 13.50 | 24.70 | 12.38 |
| Infrastructure | Mil Nt\$ | 12.54 | 15.42 | 21.71 | 17.31 | 13.96 | 16.19 |
| Research and extension | Mil Nt\$ | 2.70 | 3.29 | 3.20 | 2.42 | 2.75 | 5.30 |
| Total policy transfers | Mil Nt\$ | 196.03 | 233.84 | 280.26 | 187.22 | 171.87 | 213.84 |
| PSE (per unit value) | Percent | 16.9 | 16.2 | 20.6 | 19.4 | 19.8 | 18.4 |
| PSE (per unit quantity) | Nt\$/kg | 34.15 | 35.32 | 43.25 | 43.04 | 44.30 | 40.01 |
| | US\$/ton | 872.91 | 881.65 | 1092.25 | 1080.03 | 1170.62 | 1019.49 |
| Tobacco: | | | | | | | |
| Level of production | 1000 tons | 25.57 | 22.72 | 26.49 | 25.36 | 24.32 | 24.89 |
| Producer price | Nt\$/kg | 99.00 | 113.46 | 115.67 | 117.00 | 120.73 | 113.17 |
| Value to producers | Mil Nt\$ | 2531.43 | 2577.81 | 3064.10 | 2967.12 | 2936.15 | 2815.32 |
| Policy transfers to producers: | | | | | | | |
| State control | Mil Nt\$ | 672.06 | 1376.18 | 600.40 | 1979.38 | 1176.08 | 1160.82 |
| Budgetary expenditures: | Mil Nt\$ | 34.22 | 34.73 | 57.42 | 62.14 | 56.95 | 49.09 |
| Farm management | Mil Nt\$ | 1.03 | 1.22 | 1.38 | 1.30 | 0.87 | 1.16 |
| Infrastructure | Mil Nt\$ | 27.31 | 27.62 | 48.84 | 53.38 | 46.86 | 40.80 |
| Research and extension | Mil Nt\$ | 5.88 | 5.89 | 7.20 | 7.46 | 9.22 | 7.13 |
| Total policy transfers | Mil Nt\$ | 706.28 | 1410.91 | 657.82 | 2041.52 | 1233.03 | 1209.91 |
| PSE (per unit value) | Percent | 27.9 | 54.7 | 21.5 | 68.8 | 42.0 | 43.0 |
| PSE (per unit quantity) | Nt\$/kg | 27.62 | 62.10 | 24.83 | 80.50 | 50.70 | 49.15 |
| | US\$/ton | 706.00 | 1549.98 | 627.14 | 2020.11 | 1339.86 | 1248.62 |

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Taiwan PSE's (continued)

| Item: | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|--------|--------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| State control | Mil Nt\$ | 17534 | 20102 | 21078 | 22975 | 25425 | 21423 |
| Budgetary expenditures: | Mil Nt\$ | 1997 | 2142 | 2797 | 2814 | 2801 | 2513 |
| Farm management | Mil Nt\$ | 93 | 107 | 112 | 105 | 68 | 97 |
| Production | Mil Nt\$ | 227 | 330 | 421 | 319 | 322 | 324 |
| Marketing | Mil Nt\$ | 44 | 69 | 62 | 71 | 81 | 65 |
| Infrastructure | Mil Nt\$ | 1344 | 1348 | 1920 | 2036 | 1947 | 1719 |
| Research and extension | Mil Nt\$ | 289 | 288 | 283 | 285 | 383 | 308 |
| Policy transfers by commodity: | | | | | | | |
| Rice | Mil Nt\$ | 12673 | 12618 | 14535 | 11096 | 11492 | 12483 |
| Wheat | Mil Nt\$ | 21 | 19 | 29 | 27 | 51 | 30 |
| Corn | Mil Nt\$ | 870 | 1034 | 1372 | 1790 | 2281 | 1469 |
| Soybeans | Mil Nt\$ | 152 | 108 | 117 | 128 | 191 | 139 |
| Sorghum | Mil Nt\$ | 136 | 187 | 318 | 860 | 1062 | 513 |
| Sugar | Mil Nt\$ | 417 | 1561 | 1952 | 4381 | 3273 | 2317 |
| Pork | Mil Nt\$ | 705 | 724 | 906 | 943 | 1125 | 881 |
| Chicken | Mil Nt\$ | 3279 | 3905 | 3099 | 3651 | 6598 | 4106 |
| Milk | Mil Nt\$ | 375 | 443 | 609 | 684 | 748 | 572 |
| Beef | Mil Nt\$ | 196 | 234 | 280 | 187 | 172 | 214 |
| Tobacco | Mil Nt\$ | 706 | 1411 | 658 | 2042 | 1233 | 1210 |
| PSE by commodity: | | | | | | | |
| Rice | Percent | 25.1 | 25.9 | 32.1 | 26.9 | 31.5 | 28.1 |
| Wheat | Percent | 55.3 | 62.6 | 64.0 | 66.1 | 70.6 | 64.8 |
| Corn | Percent | 69.7 | 74.6 | 67.1 | 67.9 | 73.4 | 70.1 |
| Soybeans | Percent | 56.2 | 60.9 | 53.9 | 52.2 | 62.5 | 57.3 |
| Sorghum | Percent | 70.9 | 79.8 | 69.9 | 70.9 | 78.2 | 74.3 |
| Sugar | Percent | 5.2 | 20.4 | 24.4 | 51.8 | 43.6 | 29.2 |
| Pork | Percent | 1.4 | 1.6 | 2.1 | 2.4 | 2.1 | 1.9 |
| Chicken | Percent | 20.9 | 20.4 | 16.7 | 22.6 | 36.3 | 23.4 |
| Milk | Percent | 38.3 | 43.0 | 49.8 | 42.6 | 40.8 | 42.9 |
| Beef | Percent | 16.9 | 16.2 | 20.6 | 19.4 | 19.8 | 18.4 |
| Tobacco | Percent | 27.9 | 54.7 | 21.5 | 68.8 | 42.0 | 43.0 |
| Total policy transfers: | Mil nt\$ | 19531 | 22244 | 23876 | 25789 | 28225 | 23933 |
| Value to producers | Mil nt\$ | 129400 | 128607 | 124111 | 115665 | 125452 | 124657 |
| 11-crop PSE | Percent | 15.1 | 17.3 | 19.2 | 22.3 | 22.5 | 19.2 |

Note: Nt\$ = new Taiwan dollar.

Taiwan CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Rice: | | | | | | | |
| Level of consumption | 1000 tons | 2054 | 1967 | 1891 | 1895 | 1911 | 1944 |
| Consumer price | Nt\$/kg | 24 | 22 | 24 | 22 | 21 | 23 |
| Cost to consumers | Mil Nt\$ | 49778 | 43431 | 45351 | 41728 | 40921 | 44242 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Nt\$ | -13944 | -10859 | -14999 | -11159 | -12665 | -12725 |
| Total policy transfers | Mil Nt\$ | -13944 | -10859 | -14999 | -11159 | -12665 | -12725 |
| CSE (per unit value) | Percent | -28.0 | -25.0 | -33.1 | -26.7 | -30.9 | -28.8 |
| CSE (per unit quantity) | Nt\$/kg | -6.79 | -5.52 | -7.93 | -5.89 | -6.63 | -6.55 |
| | US\$/ton | -173.48 | -137.79 | -200.28 | -147.77 | -175.11 | -166.88 |
| Wheat: | | | | | | | |
| Level of consumption | 1000 tons | 685 | 714 | 689 | 736 | 806 | 726 |
| Consumer price | Nt\$/kg | 8861 | 8853 | 9265 | 8999 | 7527 | 8701 |
| Cost to consumers | Mil Nt\$ | 6073 | 6324 | 6386 | 6622 | 6066 | 6294 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil Nt\$ | -806 | -925 | -1277 | -1445 | -1068 | -1104 |
| Total policy transfers | Mil Nt\$ | -806 | -925 | -1277 | -1445 | -1068 | -577 |
| CSE (per unit value) | Percent | -13.3 | -14.6 | -20.0 | -21.8 | -17.6 | -9.2 |
| CSE (per unit quantity) | Nt\$/kg | -1.18 | -1.29 | -1.85 | -1.96 | -1.33 | -0.82 |
| | US\$/ton | -30.06 | -32.32 | -46.79 | -49.27 | -35.02 | -20.79 |
| Soybeans: | | | | | | | |
| Level of consumption | 1000 tons | 1199 | 1344 | 1369 | 1454 | 1789 | 1431 |
| Consumer price | Nt\$/kg | 14380 | 14220 | 15170 | 12790 | 11290 | 13570 |
| Cost to consumers | Mil Nt\$ | 17234 | 19109 | 20766 | 18597 | 20197 | 19181 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Nt\$ | -3450 | -4995 | -3076 | -3173 | -4648 | -3868 |
| Total policy transfers | Mil Nt\$ | -3450 | -4995 | -3076 | -3173 | -4648 | -3868 |
| CSE (per unit value) | Percent | -20.0 | -26.1 | -14.8 | -17.1 | -23.0 | -20.2 |
| CSE (per unit quantity) | Nt\$/kg | -2.88 | -3.72 | -2.25 | -2.18 | -2.60 | -2.72 |
| | US\$/ton | -73.58 | -92.78 | -56.75 | -54.76 | -68.66 | -69.30 |
| Sugar: | | | | | | | |
| Level of consumption | 1000 tons | 410 | 452 | 436 | 445 | 481 | 445 |
| Consumer price | Nt\$/kg | 25 | 25 | 25 | 25 | 25 | 25 |
| Cost to consumers | Mil Nt\$ | 10363 | 11473 | 11031 | 11248 | 12174 | 11258 |
| Policy transfers to consumers: | | | | | | | |
| state control | Mil Nt\$ | -6150 | -7003 | -6730 | -8424 | -8530 | -7367 |
| Total policy transfers | Mil Nt\$ | -6150 | -7003 | -6730 | -8424 | -8530 | -7367 |
| CSE (per unit value) | Percent | -59.3 | -61.0 | -61.0 | -74.9 | -70.1 | -65.4 |
| CSE (per unit quantity) | Nt\$/kg | -15.01 | -15.48 | -15.44 | -18.95 | -17.73 | -16.52 |
| | US\$/ton | -383.77 | -386.36 | -389.82 | -475.46 | -468.43 | -420.77 |

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Taiwan CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|---------|---------|---------|---------|---------|----------------|
| Chicken: | | | | | | | |
| Level of consumption | 1000 tons | 216 | 270 | 270 | 271 | 304 | 266 |
| Consumer price | Nt\$/kg | 55 | 55 | 53 | 47 | 57 | 54 |
| Cost to consumers | Mil Nt\$ | 11967 | 14930 | 14428 | 12658 | 17382 | 14273 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Nt\$ | -3748 | -5628 | -4538 | -4685 | -9169 | -5554 |
| Total policy transfers | Mil Nt\$ | -3748 | -5628 | -4538 | -4685 | -9169 | -5554 |
| CSE (per unit value) | Percent | -31.3 | -37.7 | -31.5 | -37.0 | -52.7 | -38.9 |
| CSE (per unit quantity) | Nt\$/kg | -17.35 | -20.81 | -16.80 | -17.28 | -30.17 | -20.48 |
| | US\$/ton | -443.49 | -519.36 | -424.16 | -433.72 | -797.33 | -523.61 |
| Beef: | | | | | | | |
| Level of consumption | 1000 tons | 26 | 30 | 31 | 32 | 37 | 31 |
| Consumer price | Nt\$/kg | 242 | 242 | 244 | 250 | 250 | 246 |
| Cost to consumers | Mil Nt\$ | 6163 | 7178 | 7480 | 7950 | 9165 | 7587 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Nt\$ | -623 | -719 | -894 | -968 | -1097 | -860 |
| Total policy transfers | Mil Nt\$ | -623 | -719 | -894 | -968 | -1097 | -860 |
| CSE (per unit value) | Percent | -10.1 | -10.0 | -12.0 | -12.2 | -12.0 | -11.3 |
| CSE (per unit quantity) | Nt\$/kg | -24.43 | -24.21 | -29.22 | -30.44 | -29.97 | -27.65 |
| | US\$/ton | -624.46 | -604.24 | -737.83 | -763.85 | -792.05 | -704.48 |
| Corn: | | | | | | | |
| Level of consumption | 1000 tons | 2679 | 3358 | 3293 | 3399 | 3415 | 3229 |
| Consumer price | Nt\$/kg | 6.91 | 6.95 | 7.94 | 6.62 | 5.51 | 6.79 |
| Cost to consumers | Mil Nt\$ | 18511 | 23337 | 26146 | 22503 | 18814 | 21862 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Nt\$ | -3155 | -4218 | -5109 | -3501 | -3833 | -3963 |
| Total policy transfers | Mil Nt\$ | -3155 | -4218 | -5109 | -3501 | -3833 | -3963 |
| CSE (per unit value) | Percent | -17.04 | -18.07 | -19.54 | -15.56 | -20.37 | -18.13 |
| CSE (per unit quantity) | Nt\$/kg | -1.18 | -1.26 | -1.55 | -1.03 | -1.12 | -1.23 |
| | US\$/ton | -30.10 | -31.35 | -39.18 | -25.84 | -29.66 | -31.23 |
| Sorghum: | | | | | | | |
| Level of consumption | 1000 tons | 825 | 551 | 633 | 614 | 896 | 704 |
| Consumer price | Nt\$/kg | 5934 | 6448 | 6871 | 5460 | 4710 | 5885 |
| Cost to consumers | Mil Nt\$ | 4894 | 3553 | 4346 | 3352 | 4218 | 4073 |
| Policy transfers to consumers: | | | | | | | |
| State control | Mil Nt\$ | -564 | -536 | -748 | -418 | -900 | -633 |
| Total policy transfers | Mil Nt\$ | -564 | -536 | -748 | -418 | -900 | -633 |
| CSE (per unit value) | Percent | -11.52 | -15.08 | -17.21 | -12.47 | -21.34 | -15.55 |
| CSE (per unit quantity) | Nt\$/kg | -0.68 | -0.97 | -1.18 | -0.68 | -1.01 | -0.90 |
| | US\$/ton | -17.48 | -24.28 | -29.87 | -17.09 | -26.56 | -23.05 |

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Taiwan CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|-----------|----------|----------|----------|----------|----------|----------------|
| Milk: | | | | | | | |
| Level of consumption | 1000 tons | 60 | 65 | 76 | 76 | 89 | 73 |
| Consumer price | Nt\$/kg | 210185 | 213333 | 213333 | 213333 | 216852 | 213407 |
| Cost to consumers | Mil Nt\$ | 12651 | 13869 | 16109 | 16200 | 19210 | 15608 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil Nt\$ | -1407 | -1415 | -1490 | -1494 | -1467 | -1455 |
| Levy for dairy fund | Mil Nt\$ | -85 | -95 | -115 | -98 | -109 | -100 |
| School lunch program | Mil Nt\$ | 35 | 26 | 33 | 30 | 30 | 31 |
| Total policy transfers | Mil Nt\$ | -1457.10 | -1484.42 | -1572.05 | -1562.00 | -1546.00 | -1524.31 |
| CSE (per unit value) | Percent | -11.5 | -10.7 | -9.8 | -9.6 | -8.0 | -9.8 |
| CSE (per unit quantity) | Nt\$/kg | -24.21 | -22.83 | -20.82 | -20.57 | -17.45 | -21.18 |
| | US\$/ton | -618.78 | -569.89 | -525.75 | -516.17 | -461.19 | -538.36 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| State control | Mil Nt\$ | -31634 | -33958 | -36094 | -32328 | -40842 | -34971 |
| Tariff | Mil Nt\$ | -2213 | -2340 | -2767 | -2939 | -2535 | -2559 |
| Levy for dairy fund | Mil Nt\$ | -85 | -95 | -115 | -98 | -109 | -100 |
| School lunch program | Mil Nt\$ | 35 | 26 | 33 | 30 | 30 | 31 |
| Policy transfers by commodity: | | | | | | | |
| Rice | Mil Nt\$ | -13944 | -10859 | -14999 | -11159 | -12665 | -12725 |
| Wheat | Mil Nt\$ | -806 | -925 | -1277 | -1445 | -1068 | -577 |
| Soybeans | Mil Nt\$ | -3450 | -4995 | -3076 | -3173 | -4648 | -3868 |
| Sugar | Mil Nt\$ | -6150 | -7003 | -6730 | -8424 | -8530 | -7367 |
| Chicken | Mil Nt\$ | -3748 | -5628 | -4538 | -4685 | -9169 | -5554 |
| Beef | Mil Nt\$ | -623 | -719 | -894 | -968 | -1097 | -860 |
| Corn | Mil Nt\$ | -3155 | -4218 | -5109 | -3501 | -3833 | -3963 |
| Sorghum | Mil Nt\$ | -564 | -536 | -748 | -418 | -900 | -633 |
| Milk | Mil Nt\$ | -1457 | -1484 | -1572 | -1562 | -1546 | -1524 |
| CSE by commodity: | | | | | | | |
| Rice | Percent | -28.0 | -25.0 | -33.1 | -26.7 | -30.9 | -28.8 |
| Wheat | Percent | -13.3 | -14.6 | -20.0 | -21.8 | -17.6 | -9.2 |
| Soybeans | Percent | -20.0 | -26.1 | -14.8 | -17.1 | -23.0 | -20.2 |
| Sugar | Percent | -59.3 | -61.0 | -61.0 | -74.9 | -70.1 | -65.4 |
| Chicken | Percent | -31.3 | -37.7 | -31.5 | -37.0 | -52.7 | -38.9 |
| Beef | Percent | -10.1 | -10.0 | -12.0 | -12.2 | -12.0 | -11.3 |
| Corn | Percent | -17.0 | -18.1 | -19.5 | -15.6 | -20.4 | -18.1 |
| Sorghum | Percent | -11.5 | -15.1 | -17.2 | -12.5 | -21.3 | -15.5 |
| Milk | Percent | -11.5 | -10.7 | -9.8 | -9.6 | -8.0 | -9.8 |
| Total value transfers | Mil Nt\$ | -33897 | -36367 | -38943 | -35335 | -43456 | -37600 |
| Cost to consumers | Mil Nt\$ | 137634 | 143204 | 152044 | 140858 | 148148 | 144378 |
| 9-commodity CSE | Percent | -24.6 | -25.4 | -25.6 | -25.1 | -29.3 | -26.0 |

Note: Nt\$ = new Taiwan \$.

THAILAND
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy Instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|---------------------|-----------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Export tax | rice PSE | Rice exports were taxed, lowering returns to farmers. | Estimated by adding the three export taxes (specific tax, an ad valorem tax, and a storage requirement) (<u>1</u> , <u>10</u>), and assuming that 80 percent of the tax is passed back to the producer (<u>10</u>). |
| Rediscount facility | rice PSE | Subsidized short-term commercial loans offered to rice exporters. | Estimated by multiplying the value of rice exports (<u>1</u>) by 0.0066 (1982-84) or 0.0070 (1985-86), which is the estimated value of the discount to exporters (<u>3</u>). It is assumed that the full value of the subsidy is passed back to the producer. |
| Fertilizer subsidy | rice PSE | The Government procures and distributes subsidized fertilizer to some rice farmers. | Assumes 20 percent of fertilizer is subsidized (<u>5</u> , <u>6</u> , <u>10</u>) and that 60 percent (1982-84), 55 percent (1985), or 51 percent (1986) of all fertilizer is used on rice (<u>2</u> , <u>6</u> <u>7</u> <u>8</u>). Calculated by subtracting the value of the subsidized fertilizer (<u>4</u> , <u>6</u> , <u>7</u> , <u>8</u>) used on rice from the commercial value (<u>6</u> , <u>10</u> , <u>7</u> , <u>8</u>). |
| Irrigation subsidy | rice PSE | Irrigation water is provided at no charge to producers. | Assumes 30 percent of the area planted to rice is irrigated (<u>10</u>). Estimated by multiplying irrigated area by an operations and maintenance charge (<u>10</u>). |

THAILAND
Unmeasured Policies

| Policy instrument | Reason for no measurement |
|--------------------------------|----------------------------------------------------------------|
| Extension and research subsidy | Data are insufficient to allocate to individual crops. |
| 1985 reserve requirement | No available data on amount/value. |
| Price stabilization program | Introduced ineffectively in 1986, will have an impact in 1987. |

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Thailand PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|-------------------------------|----------|--------|--------|--------|--------|-------|----------------|
| Rice (paddy): | | | | | | | |
| Level of production | Mil tons | 18 | 17 | 20 | 20 | 20 | 19 |
| Producer price | \$/ton | 123 | 127 | 118 | 91 | 86 | 109 |
| Value to producers | Mil \$ | 2197 | 2154 | 2303 | 1819 | 1701 | 2035 |
| Policy transfers to producers | | | | | | | |
| Export tax | Mil \$ | -83.56 | -65.91 | -53.17 | -40.50 | 0.00 | -48.63 |
| Rediscount facilities | Mil \$ | 6.49 | 5.81 | 7.31 | 5.80 | 5.41 | 6.16 |
| Fertilizer | Mil \$ | 7.55 | 5.30 | 4.05 | 1.40 | 0.43 | 3.75 |
| Irrigation | Mil \$ | 63.36 | 63.49 | 66.13 | 65.80 | 66.99 | 65.15 |
| Total policy transfers | Mil \$ | -6.16 | 8.69 | 24.32 | 32.50 | 72.83 | 26.44 |
| PSE (per unit value) | Percent | -0.28 | 0.40 | 1.06 | 1.79 | 4.28 | 1.30 |
| PSE (per unit quantity) | US\$/ton | -0.35 | 0.51 | 1.25 | 1.63 | 3.70 | 1.35 |

UNITED STATES
Measured Policies
(For underscored numbers in parentheses, see References below)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Direct payments/levies:</u> | | | |
| Deficiency | wheat PSE corn PSE rice PSE barley PSE oats PSE | Producers participating in acreage reduction programs received the difference between target prices (set in legislation) and the higher of market prices or loan rates on eligible production. | Value of deficiency payments by crop. Includes payments in cash and the face (cash) value of generic certificates issued in lieu of cash. Payments were defined as those due under provisions of a given crop year program (<u>15</u>). |
| Disaster | corn PSE barley PSE oats PSE sorghum PSE wheat PSE | Disaster payments compensate participating producers for prevented plantings or low yields due to natural conditions. | Same as deficiency payments. |
| Diversion | corn PSE barley PSE oats PSE rice PSE sorghum PSE wheat PSE | Participating producers may receive payments for production forgone on part of the acreage reduced. | Same as deficiency payments. |
| Payment-in-Kind (PIK) entitlements | corn PSE rice PSE sorghum PSE wheat PSE | The 1983 PIK program for sorghum, corn, rice and wheat, and the 1984 PIK program for wheat were paid land diversion programs using commodities in lieu of cash. | Value of entitlements estimated at market prices. |
| Storage | wheat PSE corn PSE sorghum PSE barley PSE oats PSE | Participating producers may place their grain in a long-term loan program, the Farmer-Owned Reserve (FOR). Producers received annual storage payments to help defer costs of storing grain. | Calculated by multiplying one-twelfth of the annual storage payment rate times the amount of grain in the FOR each month (<u>8</u>). Monthly payments were summed to crop year total. |

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United States: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dairy assessments | dairy PSE | Starting in 1983, producers were assessed \$.50 to \$1.00/cwt on all milk marketed commercially to offset costs of the dairy program. | Value of assessments estimated on a calendar year basis using monthly assessment rate times marketings (11). |
| Dairy diversion payments | dairy PSE | From January 1984 to March 1985, producers willing to participate were paid \$10/cwt for forgoing marketings on 5 to 30 percent of their base milk marketings. | Value of payments reported on fiscal year basis (7). |
| Marketing loans | rice PSE | A marketing loan allows repayment of commodity loans at levels below the loan rate. | Estimated using loan inventory data (9). Also includes inventory payments made to producers who did not use commodity loans. |
| Loan forfeit benefits | wheat PSE corn PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE | When a Commodity Credit Corporation (CCC) non-recourse commodity loan matures, producers may choose to forfeit the commodity rather than repay the loan (with interest) and receive the prevailing market price. If the loan rate is above prevailing market prices, producers receive income benefits. | Income benefits were estimated as the difference between the unit collateral acquisition value and the market price times the quantity of loans forfeited over the crop year (8,9). |
| <u>Market price support:</u> | | | |
| Fluid milk premium | dairy PSE fluid milk CSE | Prices of beverage milk tend to be higher than for milk used to produce manufactured dairy products. Some of this price gap may be due to Federal milk marketing orders, which regulate the flow of milk. | The differential between the average producer milk price and the manufacturing milk price was weighted by 0.2 and then applied to milk marketings (11). |

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United States: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|--------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Price-enhancing policies | wheat PSE barley PSE poultry PSE | Acreage reduction programs, CCC inventory actions, import tariffs, and export programs provide support to the extent that they enhance domestic prices above prices received in world markets. Although many commodities receive such support, support can be measured only if price gaps are observed. | Support is measured by the difference between domestic farm prices and world prices for each commodity times total production. The value of bonuses under the Export Enhancement Program divided by total export volume is used to estimate the price gap for each commodity. |
| Tariffs | beef PSE beef CSE | Tariffs raise the price of imports thereby providing price protection to domestic producers. | Support was calculated as the per unit tariff times production of the product. |
| Beef purchases | beef PSE | To minimize the effect of the dairy herd buy-out program on red meat prices, the CCC is mandated to purchase 400 million pounds of red meat as part of the dairy program. | Value of purchases reported on a fiscal year basis (7). |
| Price supports/quotas | sugar PSE sugar CSE dairy PSE cheese CSE butter CSE nonfat dried milk CSE fluid milk CSE | Domestic price support programs coupled with quotas/tariffs support domestic prices above world prices. | Estimated as the difference between domestic and world prices times quantity produced (PSE) or consumed (CSE) (11,12). Sugar producers were assumed to receive 60 percent of the price gap, while sugar consumers paid 100 percent. Price gaps for butter, cheese, and nonfat dried milk were converted to whole milk equivalents to derive the PSE for dairy. |

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United States: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Input subsidies:</u> | | | |
| Commodity loans | wheat PSE corn PSE barley PSE sorghum PSE oats PSE rice PSE soybeans PSE | Participating producers may take out nonrecourse loans by pledging crops as collateral. Producers with loans have the option of repaying loans with interest or forfeiting their crops to the CCC. Loans forfeited or redeemed with generic certificates or under the PIK program were interest free. The interest rate charged by the CCC was generally below commercial interest rates. | Interest rate subsidies include subsidies on outstanding loans and additional subsidies if loans were forfeited or repaid with no interest. The subsidy on outstanding loans was computed as the difference between a market interest rate (5) and the CCC lending rate times the value of the loan, weighted by the time the crop is under loan (8). Benefits of forgiven interest, assumed to occur at the time the loan is terminated, were calculated as the CCC interest rate times the value of the loan over the time the loan was held. |
| Farm storage facility | soybeans PSE corn PSE wheat PSE rice PSE sorghum PSE dairy PSE barley PSE oats PSE beef PSE | The Farm Storage Facility Loan Program provides funds for construction of onfarm storage facilities at the same below-market rate of interest charged on CCC commodity loans. | The difference between market and program interest rates was multiplied by loans made (10, 5) to estimate the total subsidy which was allocated to grain, soybean and hay users (beef and dairy) in proportion to onfarm storage of those crops. |

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United States: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-----------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Farmers Home Administration | all PSE's | The Farmers Home Administration (FmHA) offered loans to producers at lower than market rates of interest. PSE's include support from operating, disaster relief, economic emergency, ownership, soil and water, irrigation, and grazing loans. | Sector-wide estimates were calculated by multiplying the value of loans made times the difference between FmHA and market interest rates for the various loans (<u>13</u> , <u>5</u>). This was added to the amount requested by the FmHA to cover losses by the Agricultural Credit Insurance Fund (<u>1</u>). Total was allocated to specific products in proportion to their share in the total value of agricultural production. |
| Grazing fees | beef PSE | The Forest Service and the Bureau of Land Management charge below-market fees for livestock grazing on public range land in 16 Western States. | Support was calculated as the difference between market prices and Federal charges times the head of livestock using public land (<u>14</u>). |
| Crop insurance | wheat PSE corn PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE sugar PSE | The Federal Crop Insurance Corporation (FCIC) provides insurance against production losses due to weather and other unavoidable natural events. Farmers pay an insurance premium, but it has been subsidized by the government since 1980. | Support for each crop was calculated as the difference between indemnities paid (<u>3</u>) out and producer premiums. |
| Emergency feed | beef PSE pork PSE dairy PSE poultry PSE | Producers may be reimbursed by the CCC for up to 50 percent of the cost of feed purchased during periods of emergency when livestock feed losses due to natural disasters occur. | CCC program outlays and the face value of program certificates were allocated according to the share of total value of production of livestock and poultry (<u>7</u>). |

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United States: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fuel excise tax | all PSE's | All off-highway uses of diesel fuel and gasoline, including agriculture, are exempt from Federal excise taxes. However, until April 1983, agriculture received a complete Federal exemption, while other off-highway users received a partial exemption. The differential exemption is considered as support to agricultural commodities. | Estimates of agricultural fuel use by fuel type were multiplied by the per unit differential tax rate for agriculture to derive the total value of the exemption. This was allocated to commodities based on their share in total value of agricultural production. |
| <u>Other programs:</u> | | | |
| Transport | all PSE's | Federal support to inland waterways and railroads is provided through funds for operation, maintenance, and construction of transportation systems. | Corps of Engineers bud-outlays (16) associated with operation and construction of inland waterways were allocated to agricultural products using ton-miles traveled (17). Federal outlays and low-interest loans assisting rail freight traffic were allocated to agricultural commodities using ton-miles traveled (4). |
| Processing and marketing; research; advisory; pest and disease control | all PSE's | Activities of the Agricultural Marketing Service, Foreign Agricultural Service, Agricultural Research Service, the Extension Service, the Economic Research Service, the National Agricultural Statistics Service, and Animal and Plant Health Inspection Service are major programs included in these estimates. | Net budget outlays for programs (1) were allocated among commodities in proportion to their share in total value of production. |

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United States: Measured Policies (continued)

| Policy instrument | Affected subsidy equivalent | Policy explanation | Estimation procedure |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inspection | corn PSE wheat PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE beef PSE pork PSE poultry PSE | Inspection services provided by the Federal Grain Inspection Service, the Food Safety Inspection Service, and the Packers and Stockyards Administration are included in these estimates. | Budget outlays (1) were allocated to commodities covered by the programs according to shares in the value of production. |
| Land improvements | corn PSE wheat PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE sugar PSE | Conservation programs of the Soil Conservation Service and the Agricultural Stabilization and Conservation Service are included in these estimates. | Budget outlays (1) for these programs were allocated among all crops according to proportional shares in the value of crop production. |
| State programs | all PSE's | State governments provide support to agriculture through expenditure of funds for research, extension, information services, and marketing and inspection services. | State budget outlays for agricultural programs, net of Federal transfers to these programs, (18) were allocated to commodities based on specific commodities' share of the total value of agricultural production. |
| Taxation | all PSE's | Subsidy provided by special provisions of Federal income tax laws allowing cash accounting, current deduction of cost incurred in developing assets, gains from certain assets to be taxed as capital gains if held for more than 2 years, deduction of dividends from cooperatives, and deferred income from international sales corporations. | Total benefits to agriculture were estimated as the sum of the revenue losses for agriculture related to tax laws plus 10 percent of total savings from international sales corporations (2). The value was allocated to specific commodities based on their share of the total value of production. |

UNITED STATES
Unmeasured Policies

| Policy instrument | Reasons for no measurement |
|--------------------------------|---------------------------------------------------------|
| Irrigation programs | Current data are not available. |
| Farm Credit System | Conceptual approach and data sets require further work. |
| Voluntary restraint agreements | The price gap approach yields spurious results. |

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United States PSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Wheat: | | | | | | | |
| Level of production | Mil tons | 75 | 66 | 71 | 66 | 57 | 67 |
| Producer price | \$/ton | 130 | 131 | 124 | 116 | 86 | 117 |
| Value to producers | Mil \$ | 10542 | 11943 | 10863 | 10149 | 9233 | 10458 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 729.49 | 3341.91 | 2108.11 | 2501.01 | 4371.81 | 2610.47 |
| Disaster* | Mil \$ | 12.28 | 0.55 | 0.00 | 0.00 | 0.00 | 2.57 |
| Deficiency* | Mil \$ | 476.47 | 769.65 | 1044.20 | 1540.41 | 3550.00 | 1476.15 |
| Diversion* | Mil \$ | 0.00 | 309.24 | 505.50 | 648.10 | 215.37 | 335.64 |
| Storage* | Mil \$ | 242.46 | 191.98 | 175.78 | 171.66 | 170.33 | 190.44 |
| PIK entitlements* | Mil \$ | 0.00 | 2022.91 | 329.29 | 0.00 | 0.00 | 470.44 |
| Loan forfeit benefits* | Mil \$ | -1.72 | 47.58 | 53.34 | 140.84 | 436.11 | 135.23 |
| Market price support: | Mil \$ | 0.00 | 0.00 | 0.00 | 220.57 | 554.28 | 154.97 |
| Price enhancing policies | Mil \$ | 0.00 | 0.00 | 0.00 | 220.57 | 554.28 | 154.97 |
| Input subsidies: | Mil \$ | 459.83 | 787.97 | 560.76 | 739.42 | 562.28 | 622.05 |
| Commodity loans | Mil \$ | 346.18 | 687.53 | 414.85 | 429.65 | 377.66 | 451.17 |
| Farm storage facility | Mil \$ | 0.74 | 0.81 | 0.01 | 0.01 | 0.01 | 0.32 |
| Farmers home administration | Mil \$ | 66.98 | 72.36 | 98.45 | 138.50 | 139.38 | 103.13 |
| Crop insurance | Mil \$ | 39.13 | 22.97 | 47.45 | 171.26 | 45.23 | 65.21 |
| Fuel excise tax | Mil \$ | 6.80 | 4.30 | 0.00 | 0.00 | 0.00 | 2.22 |
| Marketing: | Mil \$ | 172.67 | 42.63 | 43.90 | 30.88 | 39.22 | 65.86 |
| Processing and marketing | Mil \$ | 6.95 | 5.06 | 6.77 | 5.33 | 5.18 | 5.86 |
| Transport | Mil \$ | 162.42 | 35.32 | 36.24 | 24.29 | 32.19 | 58.09 |
| Inspection | Mil \$ | 3.30 | 2.25 | 0.89 | 1.26 | 1.85 | 1.91 |
| Long-Term: | Mil \$ | 176.31 | 170.74 | 171.68 | 159.95 | 115.21 | 158.78 |
| Research | Mil \$ | 50.08 | 49.35 | 49.26 | 45.66 | 33.06 | 45.48 |
| Advisory | Mil \$ | 20.08 | 20.12 | 19.56 | 18.59 | 12.81 | 18.23 |
| Pest and disease control | Mil \$ | 20.46 | 14.20 | 17.36 | 15.83 | 10.43 | 15.66 |
| Land improvements | Mil \$ | 85.69 | 87.07 | 85.50 | 79.87 | 58.91 | 79.41 |
| Other: | Mil \$ | 236.99 | 211.61 | 206.83 | 191.56 | 171.59 | 203.72 |
| Taxation | Mil \$ | 109.36 | 83.67 | 79.76 | 68.45 | 72.98 | 82.84 |
| State programs | Mil \$ | 127.63 | 127.94 | 127.07 | 123.11 | 98.61 | 120.87 |
| Total policy transfers | Mil \$ | 1775.29 | 4554.86 | 3091.28 | 3843.39 | 5814.39 | 3815.84 |
| PSE (per unit value) | Percent | 16.84 | 38.14 | 28.46 | 37.87 | 62.97 | 36.49 |
| PSE (per unit quantity) | \$/ton | 23.59 | 69.16 | 43.77 | 58.23 | 102.37 | 57.03 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|----------|----------------|
| Corn: | | | | | | | |
| Level of production | Mil tons | 209 | 106 | 195 | 225 | 210 | 189.05 |
| Producer price | \$/ton | 105 | 133 | 103 | 93 | 59 | 98.68 |
| Value to producers | Mil \$ | 22853 | 21229 | 21841 | 23759 | 20386 | 22013.75 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 813.86 | 7164.40 | 1756.37 | 2730.26 | 7999.00 | 4092.78 |
| Disaster* | Mil \$ | 0.48 | 0.01 | 0.00 | 0.00 | 0.00 | 0.10 |
| Deficiency* | Mil \$ | 290.85 | 0.00 | 1652.57 | 2470.79 | 6225.00 | 2127.84 |
| Diversion* | Mil \$ | 0.00 | 904.50 | 0.00 | 0.00 | 132.00 | 207.30 |
| Storage* | Mil \$ | 607.72 | 232.24 | 107.15 | 174.99 | 358.59 | 296.14 |
| PIK entitlements* | Mil \$ | 0.00 | 6032.75 | 0.00 | 0.00 | 0.00 | 1206.55 |
| Loan forfeit benefits* | Mil \$ | -85.19 | -5.10 | -3.35 | 84.48 | 1283.41 | 254.85 |
| Input subsidies: | Mil \$ | 923.94 | 724.38 | 650.39 | 880.47 | 1231.81 | 882.20 |
| Commodity loans | Mil \$ | 749.37 | 545.52 | 390.21 | 510.72 | 880.39 | 615.24 |
| Farm storage facility | Mil \$ | 2.34 | 2.67 | 0.01 | 0.00 | 0 | 1.00 |
| Farmers home administration | Mil \$ | 150.42 | 118.32 | 225.84 | 380.83 | 352.16 | 245.51 |
| Crop insurance | Mil \$ | 6.51 | 55.17 | 34.33 | -11.08 | -0.74 | 16.84 |
| Fuel excise tax | Mil \$ | 15.30 | 2.70 | 0.00 | 0.00 | 0.00 | 3.60 |
| Marketing: | Mil \$ | 285.83 | 142.35 | 119.94 | 114.02 | 116.28 | 155.68 |
| Processing and marketing | Mil \$ | 15.61 | 8.28 | 15.53 | 14.66 | 13.21 | 13.46 |
| Transport | Mil \$ | 262.82 | 130.39 | 102.36 | 95.9 | 98.35 | 137.96 |
| Inspection | Mil \$ | 7.40 | 3.68 | 2.05 | 3.46 | 4.72 | 4.26 |
| Long-Term: | Mil \$ | 395.98 | 279.45 | 393.84 | 439.80 | 294.31 | 360.68 |
| Research | Mil \$ | 112.49 | 80.96 | 113.00 | 125.54 | 84.95 | 103.39 |
| Advisory | Mil \$ | 45.09 | 32.90 | 44.87 | 51.13 | 32.65 | 41.33 |
| Pest and disease control | Mil \$ | 45.94 | 23.22 | 39.83 | 43.52 | 26.58 | 35.82 |
| Land improvements | Mil \$ | 192.46 | 142.37 | 196.14 | 219.61 | 150.13 | 180.14 |
| Other: | Mil \$ | 532.26 | 346.00 | 474.48 | 526.72 | 451.87 | 466.27 |
| Taxation | Mil \$ | 245.61 | 136.81 | 182.97 | 188.21 | 200.60 | 190.84 |
| State programs | Mil \$ | 286.65 | 209.19 | 291.51 | 338.51 | 251.27 | 275.43 |
| Total policy transfers | Mil \$ | 2951.87 | 8656.59 | 3395.02 | 4691.27 | 10093.27 | 5957.60 |
| PSE (per unit value) | Percent | 12.92 | 40.78 | 15.54 | 19.74 | 49.51 | 27.06 |
| PSE (per unit quantity) | \$/ton | 14.11 | 81.63 | 17.42 | 20.81 | 48.15 | 31.51 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|--------|---------|----------------|
| Rice: | | | | | | | |
| Level of production | Mil tons | 6.97 | 4.52 | 6.30 | 4.33 | 4.33 | 5.29 |
| Producer price | \$/ton | 179 | 194 | 178 | 206 | 122 | 176 |
| Value to producers | Mil \$ | 1513 | 1453 | 1520 | 1666 | 1485 | 1527 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 266.41 | 573.11 | 400.71 | 772.96 | 956.63 | 593.97 |
| Deficiency* | Mil \$ | 267.22 | 233.15 | 380.20 | 376.55 | 545.00 | 360.42 |
| Diversion* | Mil \$ | 0.00 | 0.00 | 0.00 | 93.01 | 0.00 | 18.60 |
| PIK entitlements* | Mil \$ | 0.00 | 363.92 | 0.00 | 0.00 | 0.00 | 72.78 |
| Marketing loans* | Mil \$ | 0.00 | 0.00 | 0.00 | 271.61 | 374.51 | 129.22 |
| Loan forfeit benefits* | Mil \$ | -0.80 | -23.96 | 20.51 | 31.79 | 37.12 | 12.93 |
| Input subsidies: | Mil \$ | 38.46 | 60.71 | 33.79 | 54.20 | 75.24 | 52.48 |
| Commodity loans | Mil \$ | 22.10 | 47.19 | 20.50 | 36.81 | 58.32 | 36.98 |
| Farm storage facility | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Farmers home administration | Mil \$ | 8.51 | 7.40 | 12.58 | 16.18 | 15.14 | 11.96 |
| Crop insurance | Mil \$ | 6.95 | 5.72 | 0.72 | 1.21 | 1.78 | 3.28 |
| Fuel excise tax | Mil \$ | 0.90 | 0.40 | 0.00 | 0.00 | 0.00 | 0.26 |
| Other programs: | Mil \$ | 2.21 | 1.61 | 1.66 | 1.41 | 1.39 | 1.66 |
| Processing and marketing | Mil \$ | 0.88 | 0.52 | 0.87 | 0.62 | 0.56 | 0.69 |
| Transport | Mil \$ | 0.91 | 0.86 | 0.68 | 0.64 | 0.63 | 0.74 |
| Inspection | Mil \$ | 0.42 | 0.23 | 0.11 | 0.15 | 0.20 | 0.22 |
| Long-Term: | Mil \$ | 22.40 | 17.46 | 21.95 | 18.68 | 12.51 | 18.60 |
| Research | Mil \$ | 6.36 | 5.05 | 6.30 | 5.33 | 3.59 | 5.33 |
| Advisory | Mil \$ | 2.55 | 2.06 | 2.50 | 2.17 | 1.39 | 2.13 |
| Pest and disease control | Mil \$ | 2.60 | 1.45 | 2.22 | 1.85 | 1.13 | 1.85 |
| Land improvements | Mil \$ | 10.89 | 8.90 | 10.93 | 9.33 | 6.40 | 9.29 |
| Other: | Mil \$ | 30.11 | 21.64 | 26.45 | 22.38 | 19.24 | 23.96 |
| Taxation | Mil \$ | 13.89 | 8.56 | 10.20 | 8.00 | 8.52 | 9.83 |
| State programs | Mil \$ | 16.21 | 13.08 | 16.25 | 14.38 | 10.72 | 14.13 |
| Total policy transfers | Mil \$ | 359.59 | 674.53 | 484.56 | 869.63 | 1065.01 | 690.66 |
| PSE (per unit value) | Percent | 23.77 | 46.43 | 31.88 | 52.19 | 71.72 | 45.20 |
| PSE (per unit quantity) | \$/ton | 51.60 | 149.13 | 76.96 | 200.84 | 245.96 | 144.90 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|---------|--------|--------|---------|----------------|
| Sorghum: | | | | | | | |
| Level of production | Mil tons | 21 | 12 | 22 | 28 | 24 | 22 |
| Producer price | \$/ton | 99 | 115 | 93 | 89 | 55 | 90 |
| Value to producers | Mil \$ | 2260 | 2567 | 2266 | 2913 | 2159 | 2496 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 169.31 | 1147.15 | 211.20 | 374.68 | 842.67 | 549.00 |
| Disaster* | Mil \$ | 3.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.62 |
| Deficiency* | Mil \$ | 64.12 | 0.00 | 157.93 | 226.25 | 566.00 | 202.86 |
| Diversion* | Mil \$ | 0.00 | 113.56 | 0.00 | 0.00 | 13.00 | 25.31 |
| Storage* | Mil \$ | 103.38 | 55.86 | 38.81 | 23.62 | 24.99 | 49.33 |
| PIK entitlements* | Mil \$ | 0.00 | 977.75 | 0.00 | 0.00 | 0.00 | 195.55 |
| Loan forfeit bonus* | Mil \$ | -1.29 | -0.03 | 14.46 | 124.81 | 238.68 | 75.33 |
| Input subsidies: | Mil \$ | 123.48 | 142.16 | 133.91 | 153.76 | 128.64 | 136.39 |
| Commodity loans | Mil \$ | 101.39 | 123.69 | 97.86 | 90.76 | 79.70 | 98.68 |
| Farm storage facility | Mil \$ | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.04 |
| Farmers home administration | Mil \$ | 14.27 | 11.94 | 23.11 | 45.97 | 37.73 | 26.60 |
| Crop insurance | Mil \$ | 6.22 | 5.73 | 12.94 | 17.03 | 11.21 | 10.63 |
| Fuel excise tax | Mil \$ | 1.50 | 0.70 | 0.00 | 0.00 | 0.00 | 0.44 |
| Marketing: | Mil \$ | 28.99 | 4.30 | 7.92 | 9.41 | 8.71 | 11.87 |
| Processing and marketing | Mil \$ | 1.48 | 0.84 | 1.59 | 1.77 | 1.40 | 1.42 |
| Inspection | Mil \$ | 0.70 | 0.37 | 0.21 | 0.42 | 0.50 | 0.44 |
| Transport | Mil \$ | 26.81 | 3.09 | 6.12 | 7.22 | 6.81 | 10.01 |
| Long-Term: | Mil \$ | 37.57 | 28.17 | 40.3 | 53.08 | 31.18 | 38.06 |
| Research | Mil \$ | 10.67 | 8.14 | 11.56 | 15.15 | 8.95 | 10.89 |
| Advisory | Mil \$ | 4.28 | 3.32 | 4.59 | 6.17 | 3.47 | 4.37 |
| Pest and disease control | Mil \$ | 4.36 | 2.34 | 4.08 | 5.25 | 2.82 | 3.77 |
| Land improvements | Mil \$ | 18.26 | 14.37 | 20.07 | 26.51 | 15.94 | 19.03 |
| Other: | Mil \$ | 50.49 | 34.92 | 48.54 | 63.58 | 50.9 | 49.69 |
| Taxation | Mil \$ | 23.30 | 13.81 | 18.72 | 22.72 | 24.21 | 20.55 |
| State programs | Mil \$ | 27.19 | 21.11 | 29.82 | 40.86 | 26.69 | 29.13 |
| Total policy transfers | Mil \$ | 409.84 | 1356.70 | 441.87 | 654.51 | 1062.10 | 785.00 |
| PSE (per unit value) | Percent | 18.13 | 52.86 | 19.50 | 22.47 | 49.20 | 31.45 |
| PSE (per unit quantity) | \$/ton | 19.32 | 109.55 | 20.08 | 23.01 | 44.38 | 36.35 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|--------|---------|----------------|
| Barley: | | | | | | | |
| Level of production | Mil tons | 11 | 11 | 13 | 13 | 13 | 12 |
| Producer price | \$/ton | 102 | 118 | 104 | 91 | 71 | 97 |
| Value to producers | Mil \$ | 1219 | 1400 | 1432 | 1366 | 1357 | 1365 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 75.89 | 94.79 | 75.43 | 197.19 | 410.88 | 170.84 |
| Disaster* | Mil \$ | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| Deficiency* | Mil \$ | 60.12 | 42.70 | 50.41 | 160.00 | 344.40 | 131.53 |
| Diversion* | Mil \$ | 0.00 | 29.36 | 0.00 | 0.00 | 6.40 | 7.15 |
| Storage* | Mil \$ | 16.35 | 25.82 | 25.79 | 26.89 | 29.60 | 24.89 |
| Loan forfeit benefits* | Mil \$ | -0.67 | -3.09 | -0.77 | 10.30 | 30.48 | 7.25 |
| Market price support: | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 491.68 | 98.34 |
| Price enhancing policies | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 491.68 | 98.34 |
| Input subsidies: | Mil \$ | 25.62 | 43.75 | 59.58 | 121.97 | 77.80 | 65.74 |
| Commodity loans | Mil \$ | 15.15 | 29.36 | 35.16 | 37.88 | 40.40 | 31.59 |
| Farm storage facility | Mil \$ | 0.13 | 0.15 | 0.00 | 0.00 | 0.00 | 0.06 |
| Farmers home administration | Mil \$ | 7.80 | 10.98 | 15.30 | 21.23 | 27.12 | 16.49 |
| Crop insurance | Mil \$ | 1.74 | 2.56 | 9.12 | 62.86 | 10.28 | 17.31 |
| Fuel excise tax | Mil \$ | 0.80 | 0.70 | 0.00 | 0.00 | 0.00 | 0.30 |
| Marketing: | Mil \$ | 10.87 | 2.22 | 2.51 | 1.64 | 2.69 | 3.99 |
| Processing and marketing | Mil \$ | 0.81 | 0.77 | 1.05 | 0.80 | 1.01 | 0.89 |
| Transport | Mil \$ | 9.68 | 1.11 | 1.32 | 0.70 | 1.32 | 2.83 |
| Inspection | Mil \$ | 0.38 | 0.34 | 0.14 | 0.14 | 0.36 | 0.27 |
| Long-Term: | Mil \$ | 20.53 | 25.90 | 26.60 | 24.15 | 22.41 | 23.92 |
| Research | Mil \$ | 5.83 | 7.49 | 7.63 | 6.81 | 6.43 | 6.84 |
| Advisory | Mil \$ | 2.34 | 3.05 | 3.03 | 2.78 | 2.49 | 2.74 |
| Pest and disease control | Mil \$ | 2.38 | 2.15 | 2.69 | 2.36 | 2.03 | 2.32 |
| Land improvements | Mil \$ | 9.98 | 13.21 | 13.25 | 12.20 | 11.46 | 12.02 |
| Other: | Mil \$ | 27.61 | 32.11 | 32.04 | 29.27 | 30.335 | 30.27 |
| Taxation | Mil \$ | 12.74 | 12.70 | 12.36 | 10.46 | 11.15 | 11.88 |
| State programs | Mil \$ | 14.87 | 19.41 | 19.69 | 18.81 | 19.19 | 18.39 |
| Total policy transfers | Mil \$ | 160.52 | 198.77 | 196.16 | 374.22 | 1035.80 | 393.09 |
| PSE (per unit value) | Percent | 13.17 | 14.20 | 13.70 | 27.40 | 76.35 | 28.79 |
| PSE (per unit quantity) | \$/ton | 14.29 | 17.94 | 15.04 | 29.08 | 78.00 | 31.96 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|-------|-------|--------|-------|-------|----------------|
| Oats: | | | | | | | |
| Level of production | Mil tons | 9 | 7 | 7 | 9 | 7 | 8 |
| Producer price | \$/ton | 103 | 116 | 116 | 72 | 65 | 94 |
| Value to producers | Mil \$ | 884 | 818 | 800 | 655 | 467 | 730 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 0.90 | 13.56 | 1.67 | 8.37 | 34.66 | 11.83 |
| Disaster* | Mil \$ | 0.30 | 0.04 | 0.00 | 0.00 | 0.00 | 0.07 |
| Deficiency* | Mil \$ | 0.00 | 5.00 | 0.00 | 7.79 | 32.40 | 9.04 |
| Diversion* | Mil \$ | 0.00 | 7.58 | 0.00 | 0.00 | 1.60 | 1.84 |
| Storage* | Mil \$ | 0.60 | 0.94 | 1.67 | 0.58 | 0.66 | 0.89 |
| Loan forfeit benefits* | Mil \$ | -0.11 | -0.33 | -0.08 | 0.05 | 0.23 | -0.05 |
| Input subsidies: | Mil \$ | 7.14 | 7.45 | 9.14 | 12.94 | 12.86 | 9.91 |
| Commodity loans | Mil \$ | 0.27 | 0.96 | 0.81 | 0.71 | 1.00 | 0.75 |
| Farm storage facility | Mil \$ | 0.12 | 0.13 | 0.00 | 0.00 | 0.00 | 0.05 |
| Farmers home administration | Mil \$ | 6.03 | 6.77 | 8.97 | 11.70 | 12.38 | 9.17 |
| Crop insurance | Mil \$ | 0.39 | 0.35 | 0.17 | 1.24 | 0.48 | 0.53 |
| Fuel excise tax | Mil \$ | 0.60 | 0.20 | 0.00 | 0.00 | 0.00 | 0.16 |
| Marketing: | Mil \$ | 1.38 | 1.12 | 1.29 | 1.38 | 1.29 | 1.29 |
| Processing and marketing | Mil \$ | 0.63 | 0.47 | 0.62 | 0.45 | 0.46 | 0.53 |
| Transport | Mil \$ | 0.45 | 0.44 | 0.59 | 0.82 | 0.67 | 0.59 |
| Inspection | Mil \$ | 0.30 | 0.21 | 0.08 | 0.11 | 0.16 | 0.17 |
| Long-term: | Mil \$ | 15.36 | 16.21 | 15.763 | 13.52 | 10.21 | 14.21 |
| Research | Mil \$ | 4.51 | 4.61 | 4.49 | 3.86 | 2.93 | 4.08 |
| Advisory | Mil \$ | 1.81 | 1.88 | 1.78 | 1.57 | 1.14 | 1.64 |
| Pest and disease control | Mil \$ | 1.33 | 1.58 | 1.70 | 1.34 | 0.92 | 1.37 |
| Land improvements | Mil \$ | 7.71 | 8.14 | 7.79 | 6.75 | 5.22 | 7.12 |
| Other: | Mil \$ | 21.33 | 19.42 | 18.85 | 16.18 | 14.93 | 18.14 |
| Taxation | Mil \$ | 9.84 | 7.82 | 7.27 | 5.78 | 6.17 | 7.38 |
| State programs | Mil \$ | 11.49 | 11.60 | 11.58 | 10.40 | 8.76 | 10.77 |
| Total policy transfers | Mil \$ | 46.11 | 57.75 | 46.71 | 52.39 | 73.95 | 55.38 |
| PSE (per unit value) | Percent | 5.22 | 7.06 | 5.84 | 8.00 | 15.85 | 7.59 |
| PSE (per unit quantity) | \$/ton | 5.36 | 8.34 | 6.79 | 5.83 | 11.14 | 7.28 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|---------|--------|---------|---------|----------------|
| Soybeans: | | | | | | | |
| Level of production | Mil tons | 61 | 45 | 51 | 57 | 55 | 54 |
| Producer price | \$/ton | 205 | 288 | 212 | 185 | 171 | 212 |
| Value to producers | Mil \$ | 12447 | 12834 | 10723 | 10604 | 9383 | 11374 |
| Policy transfers to producers: | | | | | | | |
| Direct payments | Mil \$ | -15.94 | -4.32 | -25.22 | 32.17 | 57.14 | 8.77 |
| Loan forfeit benefits* | Mil \$ | -15.94 | -4.32 | -25.22 | 32.17 | 57.14 | 8.77 |
| Input subsidies: | Mil \$ | 354.00 | 251.13 | 226.04 | 450.99 | 530.54 | 362.54 |
| Commodity loans | Mil \$ | 98.83 | 17.98 | 31.55 | 153.36 | 195.63 | 99.47 |
| Farm storage facility | Mil \$ | 0.41 | 0.43 | 0.00 | 0.00 | 0.00 | 0.17 |
| Farmers home administration | Mil \$ | 85.06 | 108.00 | 121.13 | 192.04 | 267.39 | 154.72 |
| Crop insurance | Mil \$ | 161.00 | 122.32 | 73.36 | 105.59 | 67.52 | 105.96 |
| Fuel excise tax | Mil \$ | 8.70 | 2.40 | 0.00 | 0.00 | 0.00 | 2.22 |
| Marketing: | Mil \$ | 101.09 | 67.16 | 48.53 | 45.95 | 48.31 | 62.21 |
| Processing and marketing | Mil \$ | 8.82 | 7.55 | 8.31 | 7.37 | 9.94 | 8.40 |
| Transport | Mil \$ | 92.27 | 59.61 | 40.22 | 38.58 | 38.37 | 53.81 |
| Inspection | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Long-Term: | Mil \$ | 223.92 | 254.84 | 210.76 | 221.09 | 220.74 | 226.27 |
| Research | Mil \$ | 63.61 | 73.65 | 60.47 | 63.11 | 63.43 | 64.85 |
| Advisory | Mil \$ | 25.50 | 30.03 | 24.01 | 25.70 | 24.28 | 25.90 |
| Pest and disease control | Mil \$ | 25.98 | 21.20 | 21.32 | 21.88 | 20.01 | 22.08 |
| Land improvements | Mil \$ | 108.83 | 129.96 | 104.96 | 110.40 | 113.02 | 113.43 |
| Other: | Mil \$ | 300.98 | 315.832 | 252.63 | 264.78 | 390.02 | 304.85 |
| Taxation | Mil \$ | 138.89 | 124.88 | 97.42 | 94.61 | 200.84 | 131.33 |
| State programs | Mil \$ | 162.09 | 190.95 | 155.21 | 170.17 | 189.18 | 173.52 |
| Total policy transfers | Mil \$ | 964.05 | 884.65 | 712.74 | 1014.98 | 1246.75 | 964.63 |
| PSE (per unit value) | Percent | 7.75 | 6.89 | 6.65 | 9.57 | 13.29 | 8.48 |
| PSE (per unit quantity) | \$/ton | 15.89 | 19.87 | 14.07 | 17.77 | 22.82 | 18.02 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|----------------------------------|----------|---------|---------|----------|----------|----------|----------------|
| Dairy: | | | | | | | |
| Level of production (whole milk) | Mil tons | 68 | 63 | 61 | 65 | 65 | 64.53 |
| Producer price | \$/ton | 275 | 302 | 287 | 283 | 278 | 284.86 |
| Value to producers | Mil \$ | 18598 | 18473 | 17284 | 18836 | 17634 | 18165.15 |
| Policy transfers to producers: | | | | | | | |
| Direct payments/levies: | Mil \$ | 0.00 | -656.59 | -327.00 | 466.54 | -511.24 | -205.66 |
| Dairy assessments* | Mil \$ | 0.00 | -656.59 | -662.50 | -164.56 | -511.24 | -398.98 |
| Dairy diversion payments* | Mil \$ | 0.00 | 0.00 | 335.50 | 631.10 | 0.00 | 193.32 |
| Market price support: | Mil \$ | 8226.44 | 8112.87 | 10486.74 | 8859.49 | 9610.87 | 9059.28 |
| Price support/quotas | Mil \$ | 7957.58 | 7846.51 | 10229.69 | 8569.65 | 9313.72 | 8783.43 |
| Fluid milk premium | Mil \$ | 268.86 | 266.36 | 257.05 | 289.84 | 297.15 | 275.85 |
| Input subsidies: | Mil \$ | 145.07 | 164.52 | 205.20 | 332.75 | 520.57 | 273.62 |
| Farm storage facility | Mil \$ | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| Farmers home administration | Mil \$ | 126.94 | 160.92 | 205.20 | 332.70 | 520.28 | 269.21 |
| Emergency feed | Mil \$ | 5.18 | 0.00 | 0.00 | 0.05 | 0.29 | 1.10 |
| Fuel excise tax | Mil \$ | 12.90 | 3.60 | 0.00 | 0.00 | 0.00 | 3.30 |
| Marketing: | Mil \$ | 16.06 | 11.52 | 12.59 | 13.61 | 19.69 | 14.69 |
| Processing and marketing | Mil \$ | 10.84 | 11.26 | 12.33 | 13.46 | 19.35 | 13.45 |
| Inspection | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Transport | Mil \$ | 5.22 | 0.26 | 0.26 | 0.15 | 0.34 | 1.25 |
| Long-Term: | Mil \$ | 171.74 | 186.06 | 173.36 | 193.21 | 210.18 | 186.91 |
| Research | Mil \$ | 94.92 | 109.74 | 99.09 | 110.16 | 123.42 | 107.47 |
| Advisory | Mil \$ | 38.05 | 44.74 | 39.34 | 44.86 | 47.83 | 42.96 |
| Pest and disease control | Mil \$ | 38.77 | 31.58 | 34.93 | 38.19 | 38.93 | 36.48 |
| Other: | Mil \$ | 449.17 | 470.61 | 416.05 | 460.34 | 543.41 | 467.92 |
| Taxation | Mil \$ | 207.27 | 186.08 | 160.44 | 164.49 | 175.32 | 178.72 |
| State programs | Mil \$ | 241.90 | 284.53 | 255.61 | 295.85 | 368.09 | 289.20 |
| Total policy transfers | Mil \$ | 9008.48 | 8288.99 | 10966.94 | 10325.94 | 10393.48 | 9796.76 |
| PSE (per unit value) | Percent | 48.44 | 44.87 | 63.45 | 54.82 | 58.94 | 53.93 |
| PSE (per unit quantity) | \$/ton | 133.27 | 130.84 | 178.51 | 159.03 | 159.04 | 151.81 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Sugar: | | | | | | | |
| Level of production | Mil tons | 5 | 5 | 5 | 5 | 6 | 5 |
| Producer price | \$/ton | 291 | 305 | 283 | 276 | 274 | 286 |
| Value to producers | Mil \$ | 1530 | 1559 | 1520 | 1512 | 1661 | 1556 |
| Policy transfers to producers: | | | | | | | |
| Market price support: | Mil \$ | 979.47 | 1021.38 | 1233.64 | 1037.97 | 1236.02 | 1101.70 |
| Price supports/quotas | Mil \$ | 979.47 | 1021.38 | 1233.64 | 1037.97 | 1236.02 | 1101.70 |
| Input subsidies: | Mil \$ | 11.85 | 18.47 | 17.58 | 28.46 | 47.01 | 24.67 |
| Farmers home administration | Mil \$ | 10.44 | 13.12 | 17.01 | 27.38 | 47.64 | 23.12 |
| Crop insurance | Mil \$ | 0.41 | 4.55 | 0.57 | 1.08 | -0.63 | 1.20 |
| Fuel excise tax | Mil \$ | 1.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.36 |
| Marketing: | Mil \$ | 21.97 | 2.63 | 2.57 | 1.80 | 3.25 | 6.44 |
| Processing and marketing | Mil \$ | 1.08 | 0.92 | 1.18 | 1.05 | 1.77 | 1.20 |
| Transport | Mil \$ | 20.89 | 1.71 | 1.39 | 0.75 | 1.48 | 5.24 |
| Inspection | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| Long-Term: | Mil \$ | 27.49 | 30.94 | 29.82 | 31.65 | 39.43 | 31.87 |
| Research | Mil \$ | 7.81 | 8.94 | 8.55 | 9.03 | 11.35 | 9.14 |
| Advisory | Mil \$ | 3.13 | 3.65 | 3.40 | 3.68 | 4.38 | 3.65 |
| Pest and disease control | Mil \$ | 3.19 | 2.57 | 3.02 | 3.14 | 3.56 | 3.10 |
| Land improvements | Mil \$ | 13.36 | 15.78 | 14.85 | 15.80 | 20.14 | 15.99 |
| Other: | Mil \$ | 36.96 | 38.36 | 35.91 | 37.89 | 48.22 | 39.47 |
| Taxation | Mil \$ | 17.05 | 15.17 | 13.85 | 13.54 | 14.43 | 14.81 |
| State programs | Mil \$ | 19.90 | 23.19 | 22.06 | 24.35 | 33.79 | 24.66 |
| Total policy transfers | Mil \$ | 1077.74 | 1111.77 | 1319.52 | 1137.77 | 1373.93 | 1204.15 |
| PSE (per unit value) | Percent | 70.43 | 71.31 | 86.80 | 75.25 | 82.74 | 77.37 |
| PSE (per unit quantity) | \$/ton | 204.83 | 217.71 | 246.03 | 208.00 | 226.35 | 220.77 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|---------|---------|---------|---------|---------|----------------|
| Beef and veal: | | | | | | | |
| Level of production | Mil tons | 10 | 11 | 11 | 11 | 11 | 11 |
| Producer price | \$/ton | 2183 | 2054 | 2027 | 1928 | 1893 | 2017 |
| Value to producers | Mil \$ | 22761 | 22074 | 22146 | 21196 | 20916 | 21819 |
| Policy transfers to producers: | | | | | | | |
| Market price support: | Mil \$ | 459.96 | 472.18 | 480.81 | 646.66 | 721.13 | 556.15 |
| Tariffs | Mil \$ | 459.96 | 472.18 | 480.81 | 484.87 | 487.39 | 477.04 |
| Beef purchases | Mil \$ | 0.00 | 0.00 | 0.00 | 161.79 | 233.74 | 79.11 |
| Input subsidies: | Mil \$ | 227.32 | 251.18 | 309.62 | 441.73 | 655.57 | 377.09 |
| Farm storage facility | Mil \$ | 0.29 | 0.01 | 0.00 | 0.00 | 0 | 0.06 |
| Farmers home administration | Mil \$ | 155.35 | 185.65 | 247.76 | 383.7 | 599.93 | 314.48 |
| Emergency feed | Mil \$ | 6.34 | 0.00 | 0.00 | 0.06 | 0.34 | 1.35 |
| Fuel excise tax | Mil \$ | 15.80 | 4.20 | 0.00 | 0.00 | 0 | 4.00 |
| Grazing fees | Mil \$ | 49.54 | 61.32 | 61.86 | 57.97 | 55.30 | 57.20 |
| Marketing: | Mil \$ | 197.43 | 188.31 | 192.45 | 203.16 | 195.35 | 195.34 |
| Inspection | Mil \$ | 174.71 | 175.05 | 175.04 | 188.27 | 172.64 | 177.14 |
| Processing and marketing | Mil \$ | 16.12 | 12.99 | 17.10 | 14.70 | 22.31 | 16.64 |
| Transport | Mil \$ | 6.60 | 0.27 | 0.31 | 0.19 | 0.40 | 1.55 |
| Long-Term: | Mil \$ | 210.19 | 214.71 | 217.74 | 220.75 | 242.37 | 221.15 |
| Pest and disease control | Mil \$ | 47.45 | 36.44 | 43.87 | 43.63 | 44.89 | 43.26 |
| Research | Mil \$ | 116.17 | 126.64 | 124.46 | 125.86 | 142.32 | 127.09 |
| Advisory | Mil \$ | 46.57 | 51.63 | 49.41 | 51.26 | 55.16 | 50.81 |
| Other: | Mil \$ | 549.70 | 543.05 | 520.54 | 530.92 | 626.64 | 554.17 |
| Taxation | Mil \$ | 253.66 | 214.72 | 200.73 | 189.71 | 202.20 | 212.20 |
| State programs | Mil \$ | 296.04 | 328.32 | 319.81 | 341.21 | 424.44 | 341.97 |
| Total policy transfers | Mil \$ | 1644.60 | 1669.42 | 1721.15 | 2043.22 | 2441.07 | 1903.89 |
| PSE (per unit value) | Percent | 7.23 | 7.56 | 7.77 | 9.64 | 11.67 | 8.73 |
| PSE (per unit quantity) | \$/ton | 157.75 | 155.32 | 157.50 | 185.81 | 220.91 | 175.81 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|--------|--------|----------------|
| Pork: | | | | | | | |
| Level of production | Mil tons | 6 | 7 | 7 | 7 | 6 | 7 |
| Producer price | \$/ton | 1676 | 1423 | 1412 | 1321 | 1494 | 1465 |
| Value to producers | Mil \$ | 10816 | 9808 | 9489 | 8871 | 9533 | 9704 |
| Policy transfers to producers: | | | | | | | |
| Input subsidies: | Mil \$ | 82.96 | 84.41 | 106.27 | 160.62 | 273.43 | 141.54 |
| Farmers home administration | Mil \$ | 69.52 | 82.51 | 106.27 | 160.59 | 273.28 | 138.43 |
| Emergency feed | Mil \$ | 6.34 | 0.00 | 0.00 | 0.03 | 0.15 | 1.30 |
| Fuel excise tax | Mil \$ | 7.10 | 1.90 | 0.00 | 0.00 | 0.00 | 1.80 |
| Marketing: | Mil \$ | 88.48 | 83.67 | 82.65 | 85.40 | 88.95 | 85.83 |
| Inspection | Mil \$ | 78.19 | 77.78 | 75.18 | 79.16 | 78.64 | 77.79 |
| Transport | Mil \$ | 3.08 | 0.12 | 0.12 | 0.06 | 0.15 | 0.71 |
| Processing and marketing | Mil \$ | 7.21 | 5.77 | 7.35 | 6.18 | 10.16 | 7.33 |
| Long-Term: | Mil \$ | 94.06 | 95.40 | 93.51 | 92.76 | 110.40 | 97.23 |
| Research | Mil \$ | 51.99 | 56.27 | 53.45 | 52.89 | 64.83 | 55.89 |
| Advisory | Mil \$ | 20.84 | 22.94 | 21.22 | 21.54 | 25.12 | 22.33 |
| Pest and disease control | Mil \$ | 21.23 | 16.19 | 18.84 | 18.33 | 20.45 | 19.01 |
| Other: | Mil \$ | 246.00 | 241.30 | 224.45 | 222.20 | 275.96 | 241.98 |
| Taxation | Mil \$ | 113.52 | 95.41 | 86.55 | 79.40 | 82.62 | 91.50 |
| State programs | Mil \$ | 132.48 | 145.89 | 137.90 | 142.80 | 193.34 | 150.48 |
| Total policy transfers | Mil \$ | 511.51 | 504.78 | 506.88 | 560.98 | 748.74 | 566.58 |
| PSE (per unit value) | Percent | 4.73 | 5.15 | 5.34 | 6.32 | 7.85 | 5.84 |
| PSE (per unit quantity) | \$/ton | 79.25 | 73.22 | 75.44 | 83.53 | 117.36 | 85.42 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|--------|--------|--------|--------|---------|----------------|
| Poultry: | | | | | | | |
| Level of production | Mil tons | 7 | 7 | 7 | 8 | 8 | 7 |
| Producer price | \$/ton | 875 | 913 | 1096 | 973 | 1049 | 981 |
| Value to producers | Mil \$ | 5873 | 6279 | 7852 | 7651 | 8859 | 7303 |
| Policy transfers to producers: | | | | | | | |
| Market price support: | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 822.47 | 164.49 |
| Price enhancing policies | Mil \$ | 0.00 | 0.00 | 0.00 | 0.00 | 822.47 | 164.49 |
| Input subsidies: | Mil \$ | 45.47 | 54.02 | 87.87 | 138.52 | 253.86 | 115.95 |
| Farmers home administration | Mil \$ | 40.09 | 52.82 | 87.87 | 138.50 | 253.72 | 114.60 |
| Emergency feed | Mil \$ | 1.29 | 0.00 | 0.00 | 0.02 | 0.14 | 0.29 |
| Fuel excise tax | Mil \$ | 4.10 | 1.20 | 0.00 | 0.00 | 0.00 | 1.06 |
| Marketing: | Mil \$ | 50.98 | 53.56 | 68.27 | 73.68 | 82.65 | 65.83 |
| Inspection | Mil \$ | 45.08 | 49.80 | 62.13 | 68.32 | 73.10 | 59.69 |
| Transport | Mil \$ | 1.74 | 0.07 | 0.07 | 0.03 | 0.10 | 0.40 |
| Processing and marketing | Mil \$ | 4.16 | 3.69 | 6.07 | 5.33 | 9.45 | 5.74 |
| Long-Term: | Mil \$ | 54.23 | 61.07 | 76.73 | 80.10 | 102.62 | 74.95 |
| Research | Mil \$ | 29.97 | 36.02 | 43.62 | 45.67 | 60.26 | 43.11 |
| Advisory | Mil \$ | 12.02 | 14.69 | 17.54 | 18.60 | 23.35 | 17.24 |
| Pest and disease control | Mil \$ | 12.24 | 10.36 | 15.57 | 15.83 | 19.01 | 14.60 |
| Other: | Mil \$ | 141.84 | 154.48 | 184.60 | 201.60 | 252.43 | 186.99 |
| Taxation | Mil \$ | 65.45 | 61.08 | 71.19 | 78.48 | 72.92 | 69.82 |
| State programs | Mil \$ | 76.39 | 93.40 | 113.41 | 123.12 | 179.51 | 117.16 |
| Total policy transfers | Mil \$ | 292.52 | 323.13 | 417.47 | 493.90 | 1514.02 | 608.21 |
| PSE (per unit value) | Percent | 4.98 | 5.15 | 5.32 | 6.46 | 17.09 | 8.33 |
| PSE (per unit quantity) | \$/ton | 43.56 | 46.98 | 58.28 | 62.80 | 179.26 | 82.04 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|-----------------------------|--------|--------|---------|---------|---------|---------|----------------|
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Direct payments/levies: | Mil \$ | 2039.8 | 11673.7 | 4201.2 | 7083.2 | 14161.8 | 7831.9 |
| Disaster | Mil \$ | 16.3 | 0.6 | 0.0 | 0.0 | 0.0 | 3.4 |
| Deficiency | Mil \$ | 1158.8 | 1050.5 | 3285.3 | 4781.8 | 11262.8 | 4307.8 |
| Diversion | Mil \$ | 0.0 | 1364.2 | 505.5 | 741.1 | 368.4 | 595.8 |
| Storage | Mil \$ | 970.5 | 506.8 | 349.2 | 397.7 | 584.2 | 561.7 |
| PIK entitlements | Mil \$ | 0.0 | 9397.3 | 329.3 | 0.0 | 0.0 | 1945.3 |
| Dairy diversion payments | Mil \$ | 0.0 | 0.0 | 335.5 | 631.1 | 0.0 | 193.3 |
| Dairy assessments | Mil \$ | 0.0 | -656.6 | -662.5 | -164.6 | -511.2 | -399.0 |
| Marketing loans | Mil \$ | 0.0 | 0.0 | 0.0 | 271.6 | 374.5 | 129.2 |
| Loan forfeit benefits | Mil \$ | -105.7 | 10.7 | 58.9 | 424.4 | 2083.2 | 494.3 |
| Market price support: | Mil \$ | 9665.9 | 9606.4 | 12201.2 | 10764.7 | 13436.4 | 11134.9 |
| Price enhancing policies | Mil \$ | 0.0 | 0.0 | 0.0 | 220.6 | 1868.4 | 417.8 |
| Fluid milk premium | Mil \$ | 268.9 | 266.4 | 257.1 | 289.8 | 297.2 | 275.9 |
| Price support/quotas | Mil \$ | 8937.1 | 8867.9 | 11463.3 | 9607.6 | 10549.7 | 9885.1 |
| Tariffs | Mil \$ | 460.0 | 472.2 | 480.8 | 484.9 | 487.4 | 477.0 |
| Beef purchases | Mil \$ | 0.0 | 0.0 | 0.0 | 161.8 | 233.7 | 79.1 |
| Input subsidies: | Mil \$ | 2445.4 | 2591.1 | 2401.0 | 3516.5 | 4370.6 | 3064.9 |
| Commodity loans | Mil \$ | 1333.3 | 1452.2 | 990.9 | 1259.9 | 1633.1 | 1333.9 |
| Farm storage facility | Mil \$ | 4.2 | 4.3 | 0.0 | 0.0 | 0.0 | 1.7 |
| Farmers home administration | Mil \$ | 741.4 | 830.8 | 1169.5 | 1849.3 | 2546.2 | 1427.4 |
| Crop insurance | Mil \$ | 222.3 | 219.4 | 178.7 | 349.2 | 135.1 | 220.9 |
| Fuel excise tax | Mil \$ | 75.5 | 23.1 | 0.0 | 0.0 | 0.0 | 19.7 |
| Emergency feed | Mil \$ | 19.2 | 0.0 | 0.0 | 0.2 | 0.9 | 4.0 |
| Grazing fees | Mil \$ | 49.5 | 61.3 | 61.9 | 58.0 | 55.3 | 57.2 |
| Marketing: | Mil \$ | 978.0 | 601.1 | 584.3 | 582.3 | 607.8 | 670.7 |
| Processing and marketing | Mil \$ | 74.6 | 58.1 | 78.8 | 71.7 | 94.8 | 75.6 |
| Transport | Mil \$ | 592.9 | 233.3 | 189.7 | 169.3 | 180.8 | 273.2 |
| Inspection | Mil \$ | 310.5 | 309.7 | 315.8 | 341.3 | 332.2 | 321.9 |
| Long-term: | Mil \$ | 1449.8 | 1381.0 | 1472.1 | 1548.7 | 1411.6 | 1452.6 |
| Research | Mil \$ | 554.4 | 566.9 | 581.9 | 609.1 | 605.5 | 583.5 |
| Advisory | Mil \$ | 222.3 | 231.0 | 231.3 | 248.1 | 234.1 | 233.3 |
| Pest and disease control | Mil \$ | 225.9 | 163.3 | 205.4 | 211.2 | 190.8 | 199.3 |
| Land improvements | Mil \$ | 447.2 | 419.8 | 453.5 | 480.5 | 381.2 | 436.4 |
| Other: | Mil \$ | 2623.4 | 2429.3 | 2441.4 | 2567.4 | 2875.6 | 2587.4 |
| Taxation | Mil \$ | 1210.6 | 960.7 | 941.5 | 923.9 | 1072.0 | 1021.7 |
| State programs | Mil \$ | 1412.8 | 1468.6 | 1499.9 | 1643.6 | 1803.6 | 1565.7 |

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United States PSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|---------|----------|----------|----------|----------|----------|----------------|
| Summary (continued): | | | | | | | |
| Policy transfers by commodity: | | | | | | | |
| Wheat | Mil \$ | 1775.3 | 4554.9 | 3091.3 | 3843.4 | 5814.4 | 3815.8 |
| Corn | Mil \$ | 2951.9 | 8656.6 | 3395.0 | 4691.3 | 10093.3 | 5957.6 |
| Rice | Mil \$ | 359.6 | 674.5 | 484.6 | 869.6 | 1065.0 | 690.7 |
| Sorghum | Mil \$ | 409.8 | 1356.7 | 441.9 | 654.5 | 1062.1 | 785.0 |
| Barley | Mil \$ | 160.5 | 198.8 | 196.2 | 374.2 | 1035.8 | 393.1 |
| Oats | Mil \$ | 46.1 | 57.8 | 46.7 | 52.4 | 74.0 | 55.4 |
| Soybeans | Mil \$ | 964.0 | 884.6 | 712.7 | 1015.0 | 1246.7 | 964.6 |
| Dairy | Mil \$ | 9008.5 | 8289.0 | 10966.9 | 10325.9 | 10393.5 | 9796.8 |
| Sugar | Mil \$ | 1077.7 | 1111.8 | 1319.5 | 1137.8 | 1373.9 | 1204.1 |
| Beef and veal | Mil \$ | 1644.6 | 1669.4 | 1721.2 | 2043.2 | 2441.1 | 1903.9 |
| Pork | Mil \$ | 511.5 | 504.8 | 506.9 | 561.0 | 748.7 | 566.6 |
| Poultry | Mil \$ | 292.5 | 323.1 | 417.5 | 493.9 | 1514.0 | 608.2 |
| PSE by commodity: | | | | | | | |
| Wheat | Percent | 16.8 | 38.1 | 28.5 | 37.9 | 63.0 | 36.5 |
| Corn | Percent | 12.9 | 40.8 | 15.5 | 19.7 | 49.5 | 27.1 |
| Rice | Percent | 23.8 | 46.4 | 31.9 | 52.2 | 71.7 | 45.2 |
| Sorghum | Percent | 18.1 | 52.9 | 19.5 | 22.5 | 49.2 | 31.4 |
| Barley | Percent | 13.2 | 14.2 | 13.7 | 27.4 | 76.4 | 28.8 |
| Oats | Percent | 5.2 | 7.1 | 5.8 | 8.0 | 15.9 | 7.6 |
| Soybeans | Percent | 7.7 | 6.9 | 6.6 | 9.6 | 13.3 | 8.5 |
| Dairy | Percent | 48.4 | 44.9 | 63.4 | 54.8 | 58.9 | 53.9 |
| Sugar | Percent | 70.4 | 71.3 | 86.8 | 75.3 | 82.7 | 77.4 |
| Beef and veal | Percent | 7.2 | 7.6 | 7.8 | 9.6 | 11.7 | 8.7 |
| Pork | Percent | 4.7 | 5.1 | 5.3 | 6.3 | 7.9 | 5.8 |
| Poultry | Percent | 5.0 | 5.1 | 5.3 | 6.5 | 17.1 | 8.3 |
| Total policy transfers | Mil \$ | 19202.3 | 28282.6 | 23301.0 | 26063.0 | 36863.7 | 26742.5 |
| Value to producers | Mil \$ | 111298.1 | 110436.0 | 107735.1 | 109177.1 | 103073.6 | 108510.0 |
| 12-commodity PSE | Percent | 17.3 | 25.6 | 21.6 | 23.9 | 35.8 | 24.6 |

* Payment to producer in addition to price received.

United States CSE's

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|-------|-------|-------|-------|-------|----------------|
| Beef: | | | | | | | |
| Level of consumption | Mil tons | 8.3 | 8.6 | 8.6 | 8.8 | 8.8 | 8.6 |
| Retail price | \$/ton | 5379 | 5281 | 5318 | 5167 | 5116 | 5250 |
| Cost to consumers | Mil \$ | 44720 | 45163 | 45927 | 45375 | 45019 | 45241 |
| Policy transfers to consumers: | | | | | | | |
| Tariff | Mil \$ | -367 | -377 | -381 | -387 | -388 | -380 |
| Total policy transfers | Mil \$ | -367 | -377 | -381 | -387 | -388 | -380 |
| CSE (per unit value) | Percent | -0.8 | -0.8 | -0.8 | -0.9 | -0.9 | -0.8 |
| CSE (per unit quantity) | \$/ton | -44 | -44 | -44 | -44 | -44 | -44 |
| Sugar: | | | | | | | |
| Level of consumption | Mil tons | 7.5 | 7.2 | 6.8 | 7.0 | 6.7 | 7.1 |
| Retail price | \$/ton | 662 | 664 | 630 | 629 | 628 | 643 |
| Cost to consumers | Mil \$ | 4958 | 4807 | 4305 | 4403 | 4236 | 4542 |
| Policy transfers to consumers: | | | | | | | |
| Price support/quotas | Mil \$ | -2510 | -2606 | -2829 | -2687 | -2798 | -2686 |
| Total policy transfers | Mil \$ | -2510 | -2606 | -2829 | -2687 | 2798 | -1567 |
| CSE (per unit value) | Percent | -50.6 | -54.2 | -65.7 | -61.0 | -66.1 | -59.1 |
| CSE (per unit quantity) | \$/ton | -335 | -360 | -414 | -384 | -415 | -380 |
| Cheese: | | | | | | | |
| Level of consumption | Mil tons | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.3 |
| Retail price | \$/ton | 5651 | 5560 | 5767 | 5777 | 5879 | 5733 |
| Cost to consumers | Mil \$ | 11847 | 12145 | 13278 | 14088 | 14831 | 13238 |
| Policy transfers to consumers: | | | | | | | |
| Price support/quotas | Mil \$ | -1819 | -1854 | -2670 | -2073 | -2437 | -2171 |
| Total policy transfers | Mil \$ | -1819 | -1854 | -2670 | -2073 | -2437 | -2171 |
| CSE (per unit value) | Percent | -15.4 | -15.3 | -20.1 | -14.7 | -16.4 | -16.4 |
| CSE (per unit quantity) | \$/ton | -868 | -849 | -1159 | -850 | -966 | -940 |
| Butter: | | | | | | | |
| Level of consumption | Mil tons | 0.46 | 0.52 | 0.53 | 0.53 | 0.51 | 0.51 |
| Retail price | \$/ton | 3998 | 3533 | 3654 | 3700 | 3916 | 3753 |
| Cost to consumers | Mil \$ | 1833 | 1843 | 1926 | 1953 | 1979 | 1907 |
| Policy transfers to consumers: | | | | | | | |
| Price support/quotas | Mil \$ | -448 | -436 | -691 | -699 | -796 | -614 |
| Total policy transfers | Mil \$ | -448 | -436 | -691 | -699 | -796 | -614 |
| CSE (per unit value) | Percent | -24.4 | -23.6 | -35.9 | -35.8 | -40.2 | -32.2 |
| CSE (per unit quantity) | \$/ton | -977 | -835 | -1312 | -1324 | -1576 | -1208 |

--Continued

United States CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|-------|-------|-------|-------|-------|----------------|
| Non-fat dry milk: | | | | | | | |
| Level of consumption | Mil tons | 0.22 | 0.24 | 0.27 | 0.24 | 0.27 | 0.25 |
| Wholesale price | \$/ton | 1807 | 1698 | 1607 | 1441 | 1373 | 1577 |
| Cost to consumers | Mil \$ | 403 | 404 | 435 | 353 | 373 | 394 |
| Policy transfers to consumers: | | | | | | | |
| Price support/quotas | Mil \$ | -204 | -197 | -270 | -190 | -188 | -209 |
| Total policy transfers | Mil \$ | -204 | -197 | -270 | -190 | 243 | -123 |
| CSE (per unit value) | Percent | -50.5 | -48.7 | -62.0 | -53.7 | -50.4 | -53.2 |
| CSE (per unit quantity) | \$/ton | -912 | -827 | -997 | -774 | -692 | -839 |
| Fluid milk: | | | | | | | |
| Level of consumption | Mil tons | 22 | 23 | 23 | 23 | 23 | 23 |
| Retail price | \$/ton | 540 | 543 | 541 | 546 | 539 | 539 |
| Cost to consumers | Mil \$ | 12091 | 12253 | 12421 | 12566 | 12590 | 12384 |
| Policy transfers to consumers: | | | | | | | |
| Price support/quotas | Mil \$ | -2898 | -2792 | -3822 | -3038 | -3327 | -3175 |
| Fluid milk premium | Mil \$ | -269 | -257 | -264 | -290 | -297 | -275 |
| Total policy transfers | Mil \$ | -3167 | -3049 | -4086 | -3328 | -3624 | -3451 |
| CSE (per unit value) | Percent | -26.2 | -24.9 | -32.9 | -26.5 | -28.8 | -27.9 |
| CSE (per unit quantity) | \$/ton | -141 | -135 | -178 | -145 | -155 | -151 |
| Wheat: | | | | | | | |
| Level of consumption | Mil tons | 25 | 30 | 31 | 28 | 32 | 29 |
| Wholesale price | \$/ton | 145 | 141 | 137 | 121 | 100 | 129 |
| Cost to consumers | Mil \$ | 3579 | 4258 | 4316 | 3431 | 3244 | 3791 |
| Policy transfers to consumers: | | | | | | | |
| Price enhancing policies | Mil \$ | 0 | 0 | 0 | -87 | -292 | -76 |
| Total policy transfers | Mil \$ | 0 | 0 | 0 | -87 | -292 | -76 |
| CSE (per unit value) | Percent | 0.0 | 0.0 | 0.0 | -2.5 | -9.0 | -2.0 |
| CSE (per unit quantity) | \$/ton | 0 | 0 | 0 | -3 | -9 | -3 |

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United States CSE's (continued)

| Item | Unit | 1982 | 1983 | 1984 | 1985 | 1986 | 1982-86 ave |
|--------------------------------|----------|-------|-------|--------|-------|--------|----------------|
| Barley: | | | | | | | |
| Level of consumption | Mil tons | 9 | 10 | 10 | 11 | 10 | 10 |
| Wholesale price | \$/ton | 81 | 114 | 96 | 70 | 73 | 87 |
| Cost to consumers | Mil \$ | 722 | 1120 | 992 | 767 | 720 | 866 |
| Policy transfers to consumers: | | | | | | | |
| Price enhancing policies | Mil \$ | 0 | 0 | 0 | 0 | -342 | -68 |
| Total policy transfers | Mil \$ | 0 | 0 | 0 | 0 | -342 | -68 |
| CSE (per unit value) | Percent | 0.0 | 0.0 | 0.0 | 0.0 | -47.6 | -7.9 |
| CSE (per unit quantity) | \$/ton | 0 | 0 | 0 | 0 | -35 | -7 |
| Poultry: | | | | | | | |
| Level of consumption | Mil tons | 6 | 7 | 7 | 8 | 8 | 7 |
| Wholesale price | \$/ton | 1602 | 1680 | 1862 | 1733 | 1887 | 1753 |
| Cost to consumers | Mil \$ | 10247 | 11099 | 12874 | 13061 | 14859 | 12385 |
| Policy transfers to consumers: | | | | | | | |
| Price enhancing policies | Mil \$ | 0 | 0 | 0 | 0 | -739 | -148 |
| Total policy transfers | Mil \$ | 0 | 0 | 0 | 0 | -739 | -148 |
| CSE (per unit value) | Percent | 0.0 | 0.0 | 0.0 | 0.0 | -5.0 | -1.2 |
| CSE (per unit quantity) | \$/ton | 0 | 0 | 0 | 0 | -94 | -21 |
| Summary: | | | | | | | |
| Policy transfers by policy: | | | | | | | |
| Price support/quotas | Mil \$ | -7879 | -7885 | -10281 | -8687 | -9546 | -8855 |
| Tariff | Mil \$ | -367 | -377 | -381 | -387 | -388 | -380 |
| Fluid milk premium | Mil \$ | -269 | -257 | -264 | -290 | -297 | -275 |
| Price enhancing policies | Mil \$ | 0 | 0 | 0 | -87 | -1373 | -292 |
| Policy transfers by commodity: | | | | | | | |
| Beef | Mil \$ | -367 | -377 | -381 | -387 | -388 | -380 |
| Sugar | Mil \$ | -2510 | -2606 | -2829 | -2687 | 2798 | -1567 |
| Cheese | Mil \$ | 0 | 0 | 0 | 0 | 0 | 0 |
| Butter | Mil \$ | -448 | -436 | -691 | -699 | -796 | -614 |
| Non-fat dry milk | Mil \$ | -204 | -197 | -270 | -190 | 243 | -123 |
| Fluid milk | Mil \$ | -3167 | -3049 | -4086 | -3328 | -3624 | -3451 |
| Wheat | Mil \$ | 0 | 0 | 0 | -87 | -292 | -76 |
| Barley | Mil \$ | 0 | 0 | 0 | 0 | -342 | -68 |
| Poultry | Mil \$ | 0 | 0 | 0 | 0 | -739 | -148 |
| CSE by commodity: | | | | | | | |
| Beef | Percent | -0.8 | -0.8 | -0.8 | -0.9 | -0.9 | -0.8 |
| Sugar | Percent | -50.6 | -54.2 | -65.7 | -61.0 | -66.1 | -59.1 |
| Cheese | Percent | -15.4 | -15.3 | -20.1 | -14.7 | -16.4 | -16.4 |
| Butter | Percent | -24.4 | -23.6 | -35.9 | -35.8 | -40.2 | -32.2 |
| Non-fat dry milk | Percent | -50.5 | -48.7 | -62.0 | -53.7 | -50.4 | -53.2 |
| Fluid milk | Percent | -26.2 | -24.9 | -32.9 | -26.5 | -28.8 | -27.9 |
| Wheat | Percent | 0.0 | 0.0 | 0.0 | -2.5 | -9.0 | -2.0 |
| Barley | Percent | 0.0 | 0.0 | 0.0 | 0.0 | -47.6 | -7.9 |
| Poultry | Percent | 0.0 | 0.0 | 0.0 | 0.0 | -5.0 | -1.2 |
| Total transfers to consumers | Mil \$ | -8515 | -8519 | -10926 | -9451 | -11604 | -9803 |
| Cost to consumers | Mil \$ | 76705 | 79090 | 81249 | 79941 | 81025 | 79586 |
| 9-commodity CSE | Percent | -11.1 | -10.8 | -13.4 | -11.8 | -14.3 | -12.3 |

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